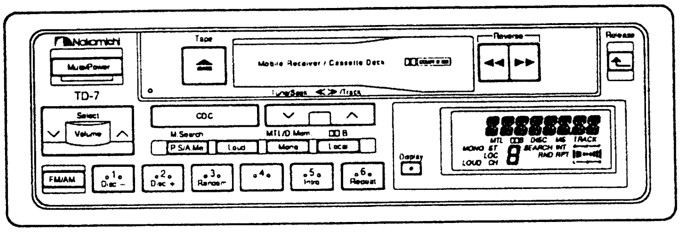
Service Manual

TD-7

Mobile Receiver / Cassette Deck


Nakamichi
Multi-Power
TD-7
Tape
Mobile Receiver / Cassette Deck
Reverse
Release
Select
Volume
CDC
M.Search
MTL/D Mem
P.S/A.Me
Loud
Mono
Local
Display
FM/AM
1 Disc −
2 Disc +
3 Random
4
5 Intro
6 Repeat
MTL
DISC
TRACK
MONO
ST
LOC
LOUD
CH
SEARCH
INT
RND
RPT

Nakamichi

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Specifications

Schematic Diagrams (See attached sheets.)
 (1) **For USA, CAN, OTR, and JPN**
 (2) **For EP**
 (3) **For OTR (Former Type) and JPN (Former Type)**

1. GENERAL

1.1. Product Code

C726

1.2. Destinations

USA, CAN, EP, OTR, JPN

Abbreviations

USA	— U.S.A.	OTR	— Other
CAN	— Canada	JPN	— Japan
EP	— Europe		

1.3. Cautions/Warnings

(1) Product Safety Notice

Parts marked with the symbol ⚠ in the schematic diagram have critical characteristics.
Use ONLY replacement parts recommended by the manufacturer.

(2) Lithium Battery Caution

Use ONLY replacement parts recommended by the manufacturer. Replacement must be done only by qualified service personnel because of risk for explosion.

VARNING
Litiumbatteri. Explosionsfara vid felaktig hantering. Byte får endast ske av sakkunnig personal enligt servicedokumentationens anvisningar.

ADVARSEL!
Lithiumbatterier. Eksplosionsfare. Udskiftning må kun foretages af en sagkyndig og som beskrevet i servicemanualen.
batterierne kun må udskiftes med batterier af samme fabrikat og type.

1.4. Package Ass'y and Accessary Ass'y

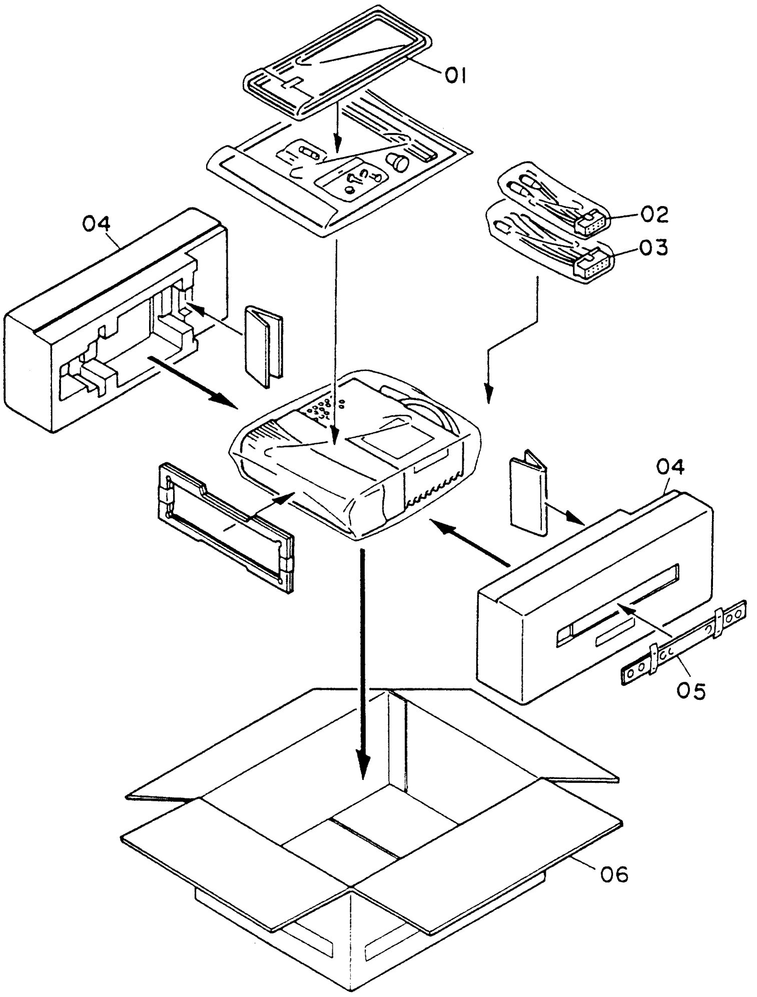


Fig. 1.1

Schematic Ref. No.	Part No.	Description	Q'ty
	—	**Package Ass'y**	
01	0H06893B	Trim Panel Rim (USA, CAN, EP, OTR)	1
02	0K80008A	12P Connector Ass'y (EP)	1
03	0K80010A	16P Connector Ass'y (USA, CAN, OTR, JPN)	1
	0K80007A	16P Connector Ass'y (EP)	1
04	0F04917A	Packing	2
05	0J07417A	Metal Stay (USA, CAN, EP, OTR)	1
06	0F04836A	Inner Carton (USA, CAN, EP, OTR)	1
	0F04898A	Inner Carton (JPN)	1

Schematic Ref. No.	Part No.	Description	Q'ty
	DA04864A	**Accessory Ass'y (USA, CAN)**	**1**
	DA04866A	**Accessory Ass'y (EP)**	**1**
	DA04865A	**Accessory Ass'y (OTR)**	**1**
	DA04863A	**Accessory Ass'y (JPN)**	**1**
	0B90359A	Masking Tape	4
	0D06582A	Owner's Manual (English/French/German)	1
	0D06553B	Owner's Manual (Japanese)	1
	0J07420A	U-Shaped Grip (USA, CAN, EP, OTR)	1
	0J07428A	Rubber Cap (USA, CAN, EP, OTR)	1
	DG04856A	Spear Fuse Kit	1
	DG04859A	Screw Kit (USA, CAN, EP, OTR)	1
	DG04860A	Screw Kit (JPN)	1
	DG04858A	Terminal Ass'y (JPN)	1

2. REMOVAL PROCEDURES

2.1. Control Panel Ass'y

(1) Except for JPN

(a) Remove the Top Cover.

(b) Press down the Plunger Chassis to unlock the left side of F01 (Control Panel Ass'y) and remove F01 (Control Panel Ass'y). Refer to Fig. 2.1.1.

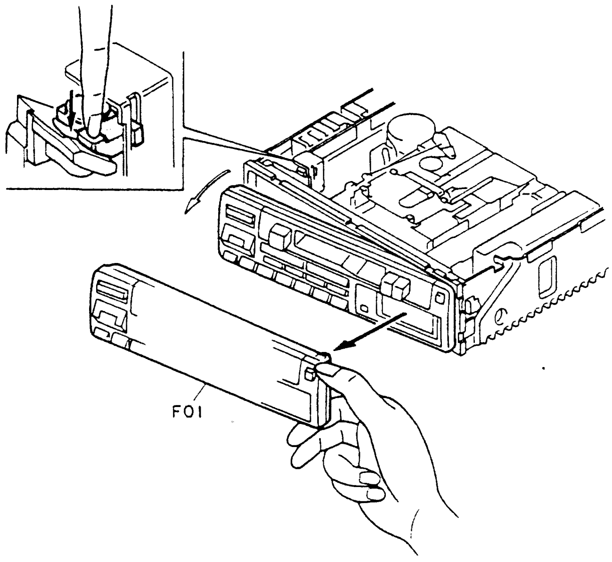


Fig. 2.1.1 Except for JPN

(2) For JPN

(a) Remove the Top Cover.

(b) Remove one screw F01.

(c) Press the protruding part with your finger tip to unlock the left side of F01 (Control Panel Ass'y) and remove F02 (Control Panel Ass'y). Refer to Fig. 2.1.2.

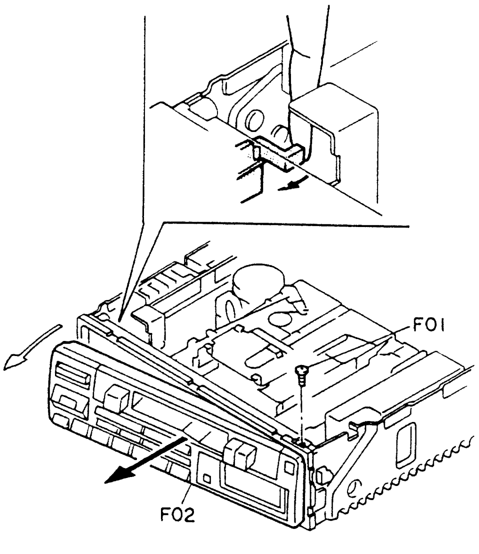


Fig. 2.1.2 For JPN

2.2. Deck Mechanism Ass'y

Refer to Fig. 2.2.

(1) Remove the Control Panel Ass'y. Refer to item 2.1.

(2) Pull out F01 (Deck P.C.B. Ass'y) [except for EP].

(3) Remove screws F02 (4 pcs.) and lift F03 (Deck Mechanism Ass'y).

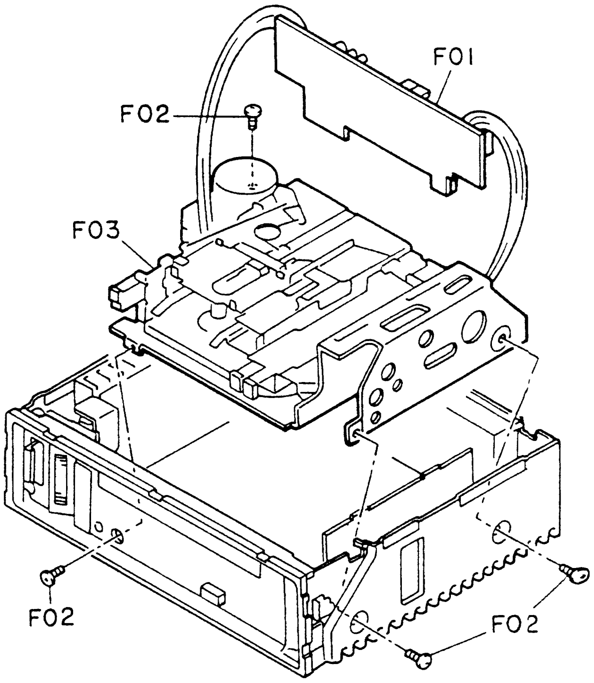


Fig. 2.2

2.3. Front Panel Ass'y

Refer to Fig. 2.3.

(1) Remove the Deck Mechanism Ass'y. Refer to item 2.2.

(2) Unlock the connector lock and pull out the Flat Cable.

(3) Unhook the claws on both side and remove F01 (Front Panel Ass'y).

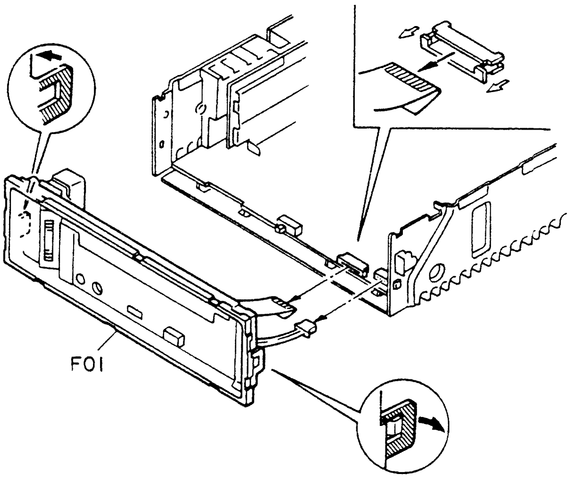


Fig. 2.3

2.4. Main P.C.B. Block

Refer to Fig. 2.4.

(1) Remove the Front Panel Ass'y. Refer to item 2.3.
(2) Disconnect one connector F01.
(3) Straighten the twisting tab with pliers.
(4) Remove screws F02 (3 pcs.).
(3) Unsolder grounding point and remove F03 (Main P.C.B. Block).

NOTE: When assembling the Main P.C.B. Block, be sure to solder the grounding point and to twist the twisting tab.

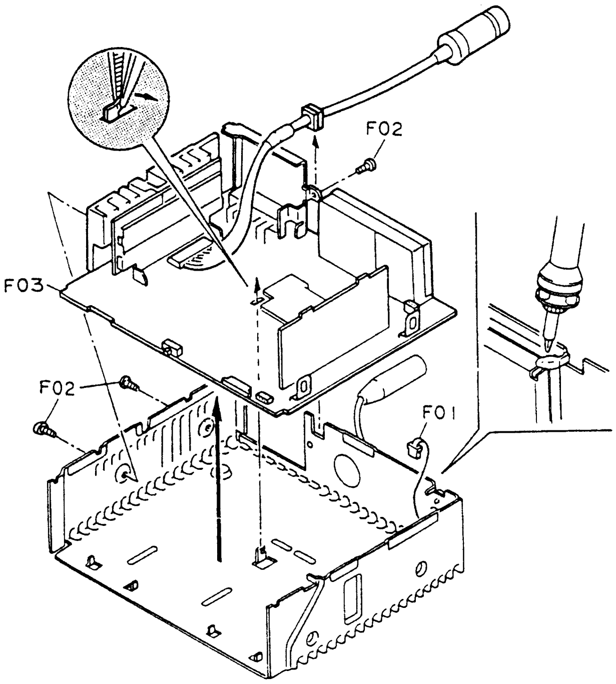


Fig. 2.4

3. TEST TAPES

(1) 3 kHz Speed and Wow/Flutter Tape (DA09006C)
(2) Dolby NR Level Adjustment Tape (ZA80003A)
(3) Azimuth Alignment Tape (ZA80005A)

4. MECHANICAL ADJUSTMENTS

4.1. Tape Speed Adjustment

Refer to Fig. 4.1.

(1) Remove the Top Cover.
(2) Connect a frequency counter to the Output Jacks.
(3) Load a 3 kHz Speed and Wow/Flutter Tape (DA0-9006C) and play it back.
(4) Adjust the tape speed adjustment volume incorporated in the Motor Ass'y to obtain 3,000 kHz on the frequency counter.

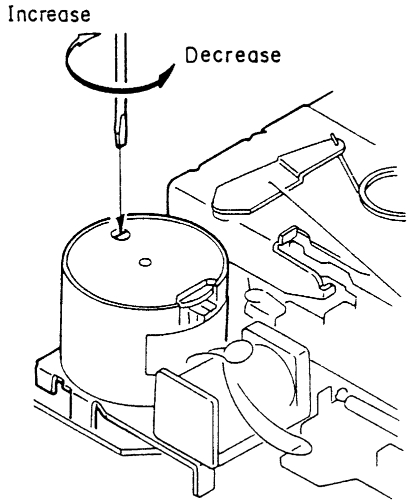


Fig. 4.1

4.2. Playback Head Azimuth Alignment

Refer to Fig. 4.2.

(1) Remove the Top Cover.
(2) Connect an AC voltmeter to the Output Jacks.
(3) Load an Azimuth Alignment Tape (ZA08005A). "TAPE FWD" is displayed and the tape is automatically forward-played back.
(4) Adjust the screw F to obtain max. levels on the AC voltmeter (on both channels).
(5) During playing back the tape, press both the FAST FORWARD and REWIND buttons to reverse the playback direction. "REV TAPE" is displayed and the other side tape is played back.
(6) Adjust the screw R to obtain max. levels on the AC voltmeter (on both channels).
(7) Repeat (3) to (6) once or twice to obtain optimum performance.

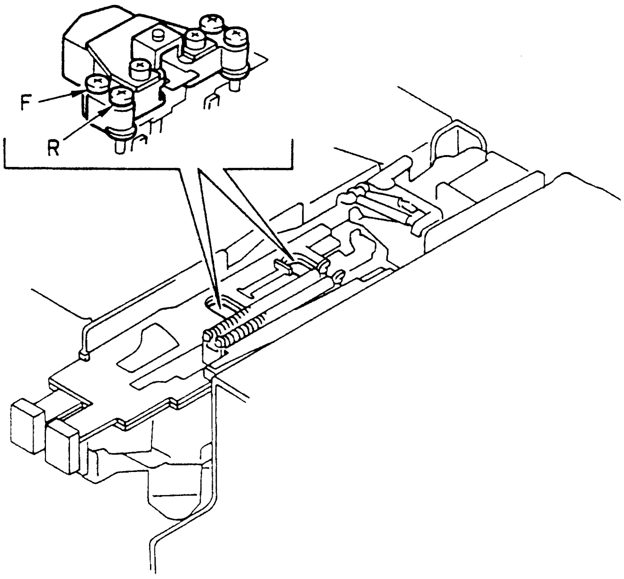
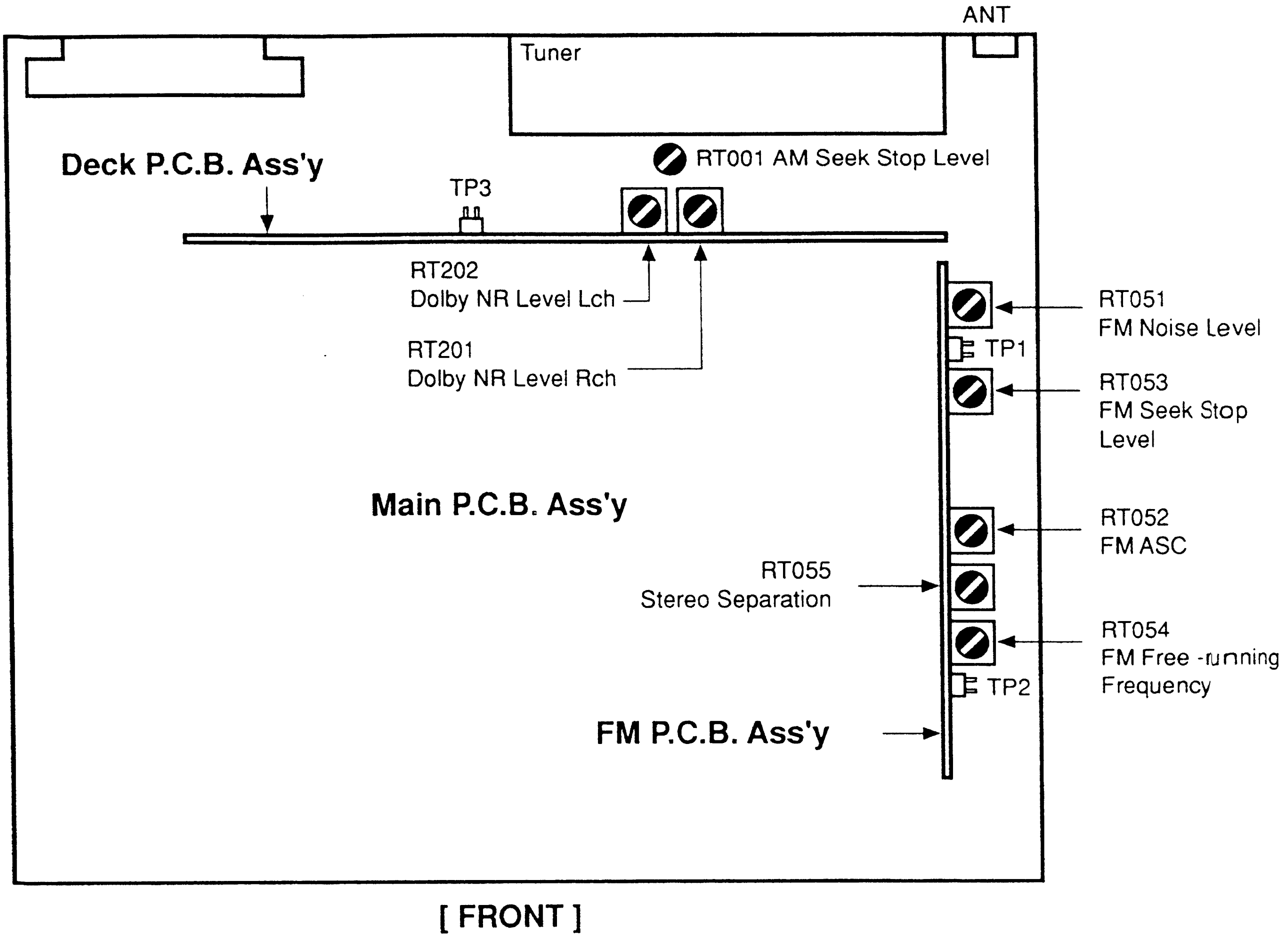


Fig. 4.2

5. ELECTRICAL ADJUSTMENTS

NOTE: Adjustments differ depending on the destination and serial No. of the Models.
Item 5.1: For USA, CAN, OTR (C72604101-), and JPN (C72602101-)
Item 5.2: For EP, OTR (C72601001-4100), and JPN (C72601401-2100)

5.1. For USA, CAN, OTR (C72604101-), and JPN (C72602101-)


ANT
Tuner
Deck P.C.B. Ass'y
RT001 AM Seek Stop Level
TP3
RT202
Dolby NR Level Lch
RT201
Dolby NR Level Rch
RT051
FM Noise Level
TP1
RT053
FM Seek Stop Level
Main P.C.B. Ass'y
RT052
FM ASC
RT055
Stereo Separation
RT054
FM Free -running Frequency
TP2
FM P.C.B. Ass'y
[FRONT]

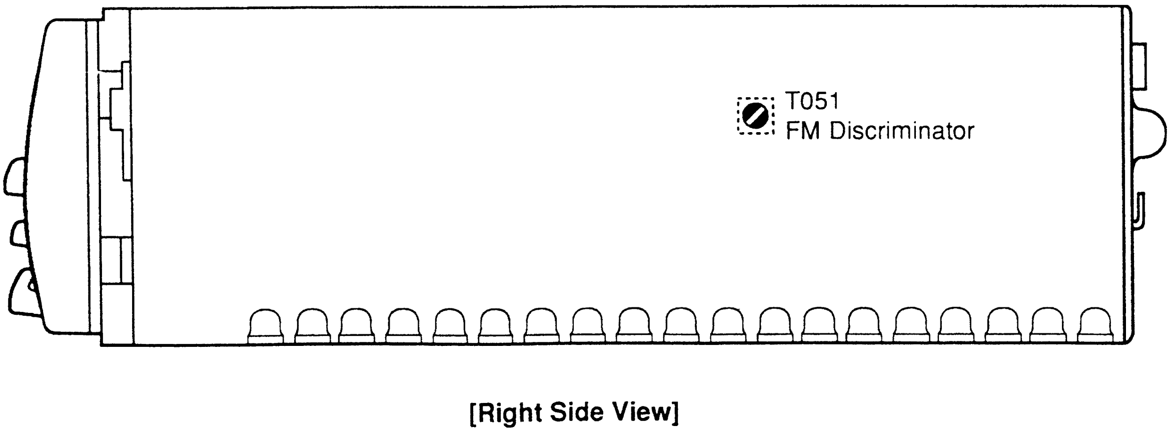

T051
FM Discriminator
[Right Side View]

Fig. 5.1.1 Parts Location for Adjustment
(For USA, CAN, OTR (C72604101-), and JPN (C72602101-))

5.1.1. Cassette Deck Section (For USA, CAN, OTR (C72604101-), and JPN (C72602101-))

Note: Electrical adjustment should be performed after mechanical adjustment is completed.

STEP	ITEM	SIGNAL SOURCE	OUTPUT CONNECTION	MODE	ADJUST-MENT	REMARKS
1	Preliminary Step			Volume – Max. Fader, Balance – Center Bass, Treble – Center Dolby NR – OFF		Set the unit to the initial mode (see MODE).
2	Dolby NR Level Adjustment	Dolby NR Level Adjustment Tape (ZA80003A)	AC Voltmeter across TP3 on Deck P.C.B.	Playback Metal Tape - ON	Deck P.C.B. RT202 (Lch) RT201 (Rch)	1. Load a test tape, and play it back. 2. Adjust RT202 (RT201) to obtain 245 mV on the AC voltmeter.

5.1.2. Tuner Section (For USA, CAN, OTR (C72604101-), and JPN (C72602101-))

Note: Adjustment should be made in a shielded room in principle.

(1) FM Adjustment

STEP	ITEM	OUTPUT CONNECTION	MODE	ADJUST-MENT	REMARKS
1	Preliminary Step	See Fig. 5.1.2.	TD-7 Band – FM Volume – Max. Fader, Balance – Center Bass, Treble – Center Dolby NR – OFF FM SG Freq. – 98.1 MHz (88.3 MHz (JPN)) RF Level – 72 dBμV Modulation Signal – 1 kHz (Stereo/Mono) Modulation Ratio – (See REMARKS)		1. Connect necessary instruments to the unit. See Fig. 5.1.2. 2. Set the unit to the initial mode (see MODE). 3. Supply +14.4 VDC to ACC and Battery lines. Modulation Ratio: •Stereo Audio 1 kHz 90%, Pilot 19 kHz 10% •Mono Audio 1 kHz 100%
2	FM Discrimi-nator Adjustment	DC Voltmeter across TP1 on FM P.C.B.	TD-7 Same as above FM SG Freq. – 98.1 MHz (88.3 MHz (JPN)) RF Level – 72 dBμV Mod. – Mono, 0%	FM P.C.B. T051	Adjust T051 from the right side of the unit to obtain 0 ±15 mV.

STEP	ITEM	OUTPUT CONNECTION	MODE	ADJUST-MENT	REMARKS
3	FM Noise Level Adjustment	AC Voltmeter to Output Jacks	TD-7 Same as above FM SG Freq. – 98.1 MHz (88.3 MHz (JPN)) RF Level – 72/–14 dBµV Mod. – Mono, 100%	Main P.C.B. RT051	1. Set the RF level of the FM SG to 72 dBµV and note the readings on the AC voltmeter. This value is referred to 0 dB in this step. 2. Set the RF level of the FM SG from 72 dBµV to –14 dBµV. 3. Adjust RT051 to obtain –30 dB with respect to the level in 1.
4	FM Free-running Frequency Adjustment	Frequency Counter to TP2 on FM P.C.B.	TD-7 Same as above FM SG Freq. – 98.1 MHz (88.3 MHz (JPN)) RF Level – 72 dBµV Mod. – Mono, 0%	FM P.C.B. RT054	Adjust RT054 to obtain 19 kHz ±50Hz on the frequency counter.
5	Stereo Separation Adjustment	AC Voltmeter to Output Jacks	TD-7 Same as above FM SG Freq. – 98.1 MHz (88.3 MHz (JPN)) RF Level – 72 dBµV Mod. – Stereo, 100%	FM P.C.B. RT055	1. Apply 1 kHz signal to L channel only. 2. Adjust RT055 to obtain minimum reading on R channel's AC voltmeter. 3. Apply 1 kHz signal to R channel only. 4. Adjust RT055 to obtain minimum reading on L channel's AC voltmeter. 5. Check whether the readings in 2 and 4 are less than –20 dB. If not, repeat 1 through 4 till satisfactory results are obtained.
6	FM ASC Adjustment	AC Voltmeter to R channel's Output Jack through 19 kHz filter	TD-7 Same as above FM SG Freq. - 98.1 MHz (88.3 MHz (JPN)) RF Level - 46 dBµV Mod. - Stereo,100%	FM P.C.B. RT052	1. Apply 1 kHz signal to L channel only. 2. Connect an AC voltmeter to the R channel's output jack through a 19 kHz filter. 3. Set the RF level of the FM SG to 46 dBµV. 4. Adjust RT052 to obtain a separation of 10 dB or less.

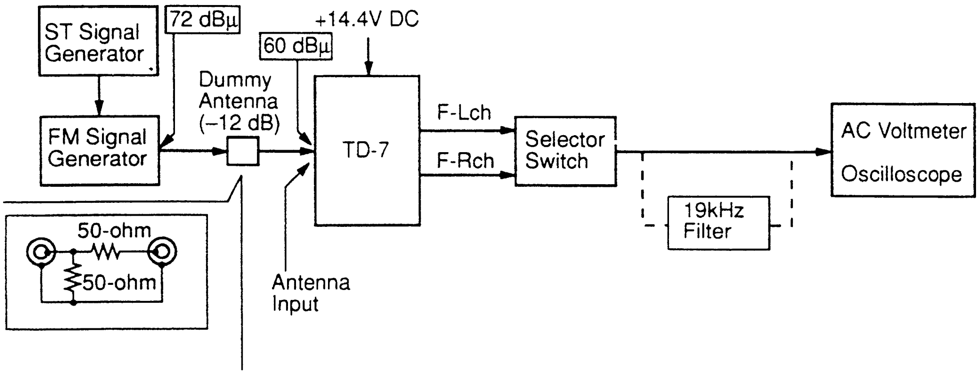

ST Signal Generator
72 dBµ
+14.4V DC
60 dBµ
Dummy Antenna (–12 dB)
FM Signal Generator
TD-7
F-Lch
F-Rch
Selector Switch
AC Voltmeter
Oscilloscope
19kHz Filter
50-ohm
50-ohm
Antenna Input

Fig. 5.1.2 FM Measurement Connecting Diagram

STEP	ITEM	OUTPUT CONNECTION	MODE	ADJUST-MENT	REMARKS
7	FM Seek Stop Level Adjustment		TD-7 Same as above FM SG Freq. – 98.1 MHz (88.3 MHz (JPN)) RF Level – 32 dBμV Mod. – Mono (1 kHz, 100%)	Main P.C.B. RT053	1. Set the RF level of the FM SG to 32 dBμV. 2. Press the SEEK button, and adjust RT053 so that seek operation stops and the unit is tuned at 98.1 MHz (88.3 MHz for JPN). 3. Set the RF level of the FM SG to 36 dBμV. 4. Press the SEEK button and check that the seek operation stops. 5. Set the RF level of the FM SG to 28 dBμV. 6. Press the SEEK button and check that seek operation does not stop.

(2) AM Adjustment

STEP	ITEM	OUTPUT CONNECTION	MODE	ADJUST-MENT	REMARKS
1	Preliminary Step	See Fig. 5.1.3.	TD-7 Band - AM Volume - Max. Fader, Balance - Center Bass, Treble - Center Dolby NR - OFF		1. Connect necessary instruments to the unit. See Fig. 5.1.3. 2. Set the unit to the initial mode (see MODE). 3. Supply +14.4 VDC to ACC and Battery lines.
2	AM Seek Stop Level Adjustment		TD-7 Same as above AM SG Freq. - 1000 kHz (USA, CAN) - 999 kHz (OTR, JPN) RF Level - 35 dBμV Mod. - 400 Hz, 30%	Main P.C.B. RT001	1. Set the RF level of the AM SG to 35 dBuV. 2. Press the SEEK button, and adjust RT001 so that seek operation stops and the unit is tuned at the frequency 1000 kHz for USA and CAN (999 kHz for OTR and JPN). 3. Set the RF level to 39 dBμV. 4. Press the SEEK button and check that the seek operation stops. 5. Set the RF level to 31 dBμV. 6. Press the SEEK button and check that the seek operation does not stop.

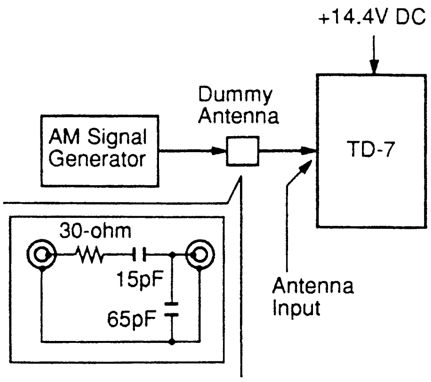
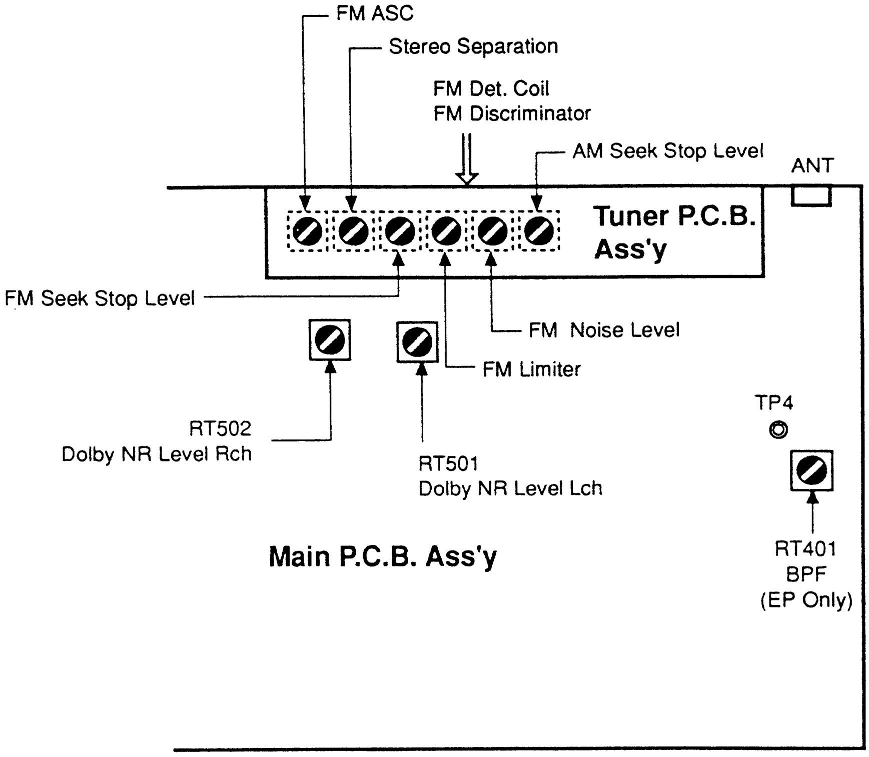
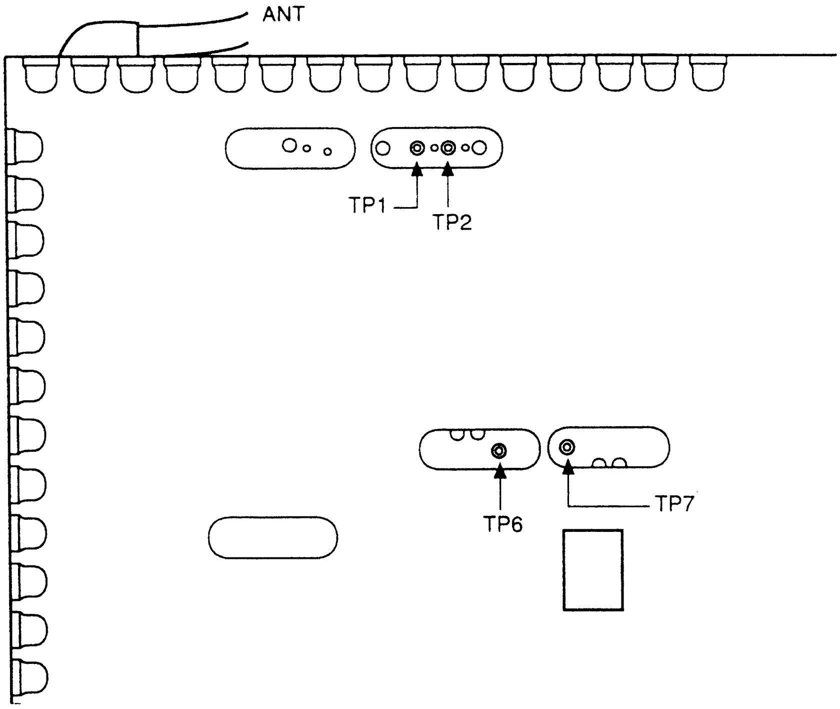


Fig. 5.1.3 AM Measurement Connecting Diagram

5.2. For EP, OTR (C72601001-4100), and JPN (C72601401-2100)


FM ASC
Stereo Separation
FM Det. Coil
FM Discriminator
AM Seek Stop Level
ANT
Tuner P.C.B. Ass'y
FM Seek Stop Level
FM Noise Level
FM Limiter
RT502
Dolby NR Level Rch
RT501
Dolby NR Level Lch
TP4
RT401
BPF
(EP Only)
Main P.C.B. Ass'y

[FRONT]


ANT
TP1
TP2
TP6
TP7

[BOTTOM VIEW]

Fig. 5.2.1 Parts Location for Adjustment
(For EP, OTR (C72601001-4100), and JPN (C72601401-2100))

5.2.1. Cassette Deck Section (For EP, OTR (C72601001-4100), and JPN (C72601401-2100))

Note: Electrical adjustment should be performed after mechanical adjustment is completed.

STEP	ITEM	SIGNAL SOURCE	OUTPUT CONNECTION	MODE	ADJUST-MENT	REMARKS
1	Preliminary Step			Volume – Max. Fader, Balance – Center Bass, Treble – Center Dolby NR – OFF		Set the unit to the initial mode (see MODE).
2	Dolby NR Level Adjustment	Dolby NR Level Adjustment Tape (ZA80003A)	AC Voltmeter between TP6 and TP7 on Main P.C.B. (Access from the bottom.)	Playback Metal Tape - ON	Deck P.C.B. RT501 (Lch) RT502 (Rch)	1. Load a test tape, and play it back. 2. Adjust RT501 (RT502) to obtain 245 mV on the AC voltmeter.

5.2.2. Tuner Section (For EP, OTR (C72601001-4100), and JPN (C72601401-2100))

Note: Adjustment should be made in a shielded room in principle.

(1) FM Adjustment

STEP	ITEM	OUTPUT CONNECTION	MODE	ADJUST-MENT	REMARKS
1	Preliminary Step	See Fig. 5.2.2.	TD-7 Band – FM Volume – Max. Fader, Balance – Center Bass, Treble – Center Dolby NR – OFF FM SG Freq. – 98.1 MHz (83.0 MHz (JPN)) RF Level – 72 dBμV Modulation Signal – 1 kHz (Stereo/Mono) Modulation Ratio – (See REMARKS)		1. Connect necessary instruments to the unit. See Fig. 5.2.2. 2. Set the unit to the initial mode (see MODE). 3. Supply +14.4 VDC to ACC and Battery lines. Modulation Ratio: •Stereo Audio 1 kHz 90%, Pilot 19 kHz 10% •Mono Audio 1 kHz 100%
2	FM Discriminator Adjustment	DC Voltmeter between TP1 and TP2 on Main P.C.B (Access from the bottom.)	TD-7 Same as above FM SG Freq. – 98.1 MHz (83.0 MHz (JPN)) RF Level – 72 dBμV Mod. – Mono	Tuner P.C.B. FM Det. Coil	Adjust FM Det. Coil from the rear side to obtain 0 ±15 mV.

STEP	ITEM	OUTPUT CONNECTION	MODE	ADJUST-MENT	REMARKS
3	FM Limiter Adjustment	AC Voltmeter to Output Jacks	TD-7 Same as above FM SG Freq. – 98.1 MHz (83.0 MHz (JPN)) RF Level – 72 dBµV Mod. – Mono, 100%	Tuner P.C.B. FM Limiter	1. Set the RF level of the FM SG to 72 dBµV and note the readings on the AC voltmeter. This value is referred to 0 dB in this step. 2. Set the RF level of the FM SG from 72 dBµV to 24 dBµV. 3. Turn "FM Limiter" to obtain –3 dB with respect to the level in 1.
4	FM Noise Level Adjustment	AC Voltmeter to Output Jacks	TD-7 Same as above FM SG Freq. – 98.1 MHz (83.0 MHz (JPN)) RF Level – 72 dBµV Mod. – Mono, 100%	Tuner P.C.B. FM Noise Level	1. Set the RF level of the FM SG to 72 dBµV and note the readings on the AC voltmeter. This value is referred to 0 dB in this step. 2. Set the RF level of the FM SG from 72 dBµV to –8 dBµV. 3. Turn "FM Noise Level" to obtain –30 dB with respect to the level in 1.
5	Stereo Separation Adjustment	AC Voltmeter to Output Jacks	TD-7 Same as above FM SG Freq. – 98.1 MHz (83.0 MHz (JPN)) RF Level – 72 dBµV Mod. – Stereo, 100%	Tuner P.C.B. Stereo Separation	1. Apply 1 kHz signal to L channel only. 2. Adjust RT055 to obtain minimum reading on R channel's AC voltmeter. 3. Apply 1 kHz signal to R channel only. 4. Turn "Stereo Separation" to obtain minimum reading on L channel's AC voltmeter. 5. Check whether the readings in 2 and 4 are less than –20 dB. If not, repeat 1 through 4 till satisfactory results are obtained.
6	FM ASC Adjustment	AC Voltmeter to R channel's Output Jack through 19 kHz filter	TD-7 Same as above FM SG Freq. - 98.1 MHz (83.0 MHz (JPN)) RF Level - 52 dBµV Mod. - Stereo,100%	Tuner P.C.B. FM ASC	

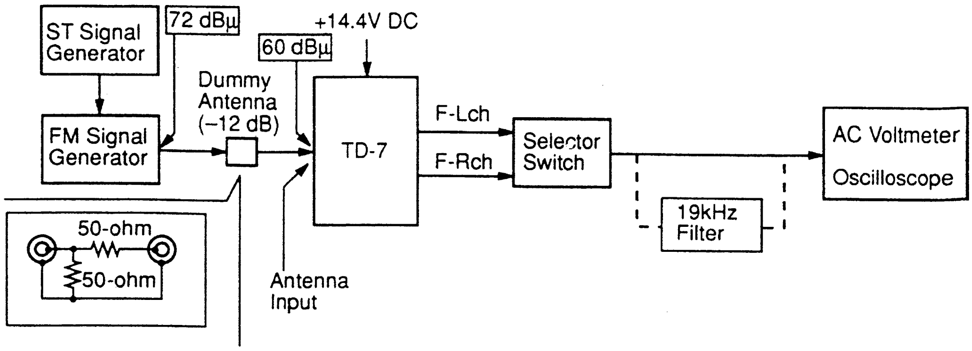

ST Signal Generator
72 dBµ
60 dBµ
+14.4V DC
FM Signal Generator
Dummy Antenna (–12 dB)
TD-7
F-Lch
F-Rch
Selector Switch
AC Voltmeter
Oscilloscope
19kHz Filter
50-ohm
50-ohm
Antenna Input

Fig. 5.2.2 FM Measurement Connecting Diagram

STEP	ITEM	OUTPUT CONNECTION	MODE	ADJUST-MENT	REMARKS
7	FM Seek Stop Level Adjustment		TD-7 Same as above FM SG Freq. – 98.1 MHz (83.0 MHz (JPN)) RF Level – 32 dBμV Mod. – Mono (1 kHz, 100%)	Tuner P.C.B. FM Seek Stop Level	1. Set the RF level of the FM SG to 32 dBμV. 2. Press the SEEK button, and turn "FM Seek Stop Level" so that seek operation stops and the unit is tuned at 98.1 MHz (88.3 MHz for JPN). 3. Set the RF level to 36 dBμV. 4. Press the SEEK button and check that the seek operation stops. 5. Set the RF level to 28 dBμV. 6. Press the SEEK button and check that seek operation does not stop.

(2) **RDS Adjustment (EP Only)**

STEP	ITEM	OUTPUT CONNECTION	MODE	ADJUST-MENT	REMARKS
1	BPF Adjustment	Connect an AC Voltmeter to TP4 on Main P.C.B.	TD-7 Band - FM Volume - Max. Fader, Balance - Center Bass, Treble - Center Dolby NR - OFF FM SG Freq. - 98.1 MHz RF Level - 72 dBμV Mod. - 1 kHz,80%	Main P.C.B. RT401	1. Connect necessary instruments to the unit. See Fig. 5.2.3. 2. Supply +14.4 VDC to ACC and Battery lines. 3. Adjust RT401 to obtain maximum level on the AC voltmeter.

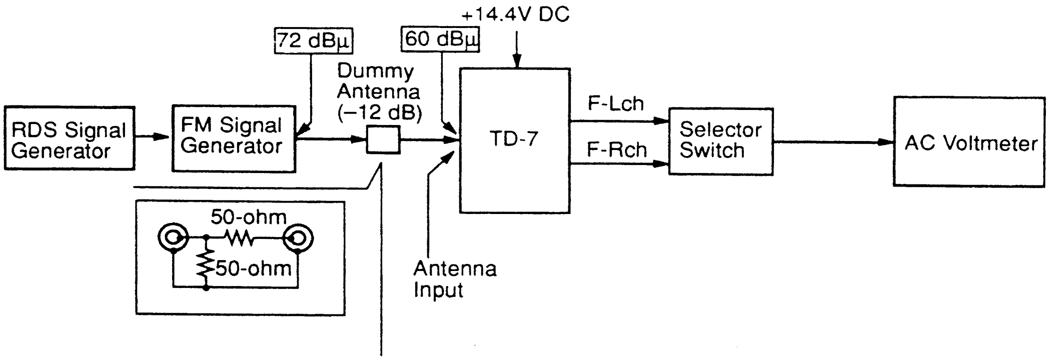

+14.4V DC
72 dBμ
60 dBμ
Dummy Antenna (−12 dB)
RDS Signal Generator
FM Signal Generator
TD-7
F-Lch
F-Rch
Selector Switch
AC Voltmeter
50-ohm
50-ohm
Antenna Input

Fig. 5.2.3 RDS Measurement Connecting Diagram

(3) AM Adjustment

STEP	ITEM	OUTPUT CONNECTION	MODE	ADJUST-MENT	REMARKS
1	Preliminary Step	See Fig. 5.2.4.	TD-7 Band - AM Volume - Max. Fader, Balance - Center Bass, Treble - Center Dolby NR - OFF		1. Connect necessary instruments to the unit. See Fig. 5.2.4. 2. Set the unit to the initial mode (see MODE). 3. Supply +14.4 VDC to ACC and Battery lines.
2	AM Seek Stop Level Adjustment		TD-7 Same as above AM SG Freq. - 999 kHz RF Level - 35 dBμV Mod. - 400 Hz, 30%	Tuner P.C.B. AM Seek Stop Level	1. Set the RF level of the AM SG to 35 dBuV. 2. Press the SEEK button, and turn "AM Seek Stop Level" so that seek operation stops and the unit is tuned at the frequency 999 kHz. 3. Set the RF level to 39 dBμV. 4. Press the SEEK button and check that the seek operation stops. 5. Set the RF level to 31 dBμV. 6. Press the SEEK button and check that seek operation dces not stop.

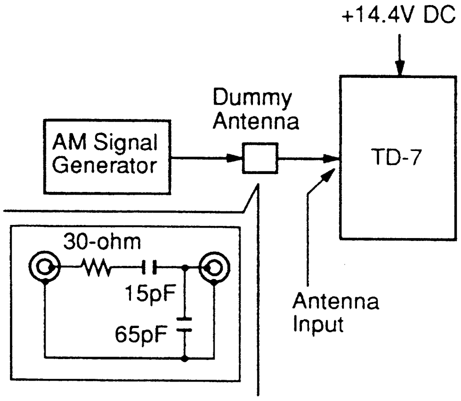


Fig. 5.2.4 AM Measurement Connecting Diagram

6. MECHANISM ASS'Y AND PARTS LIST

6.1 Synthesis

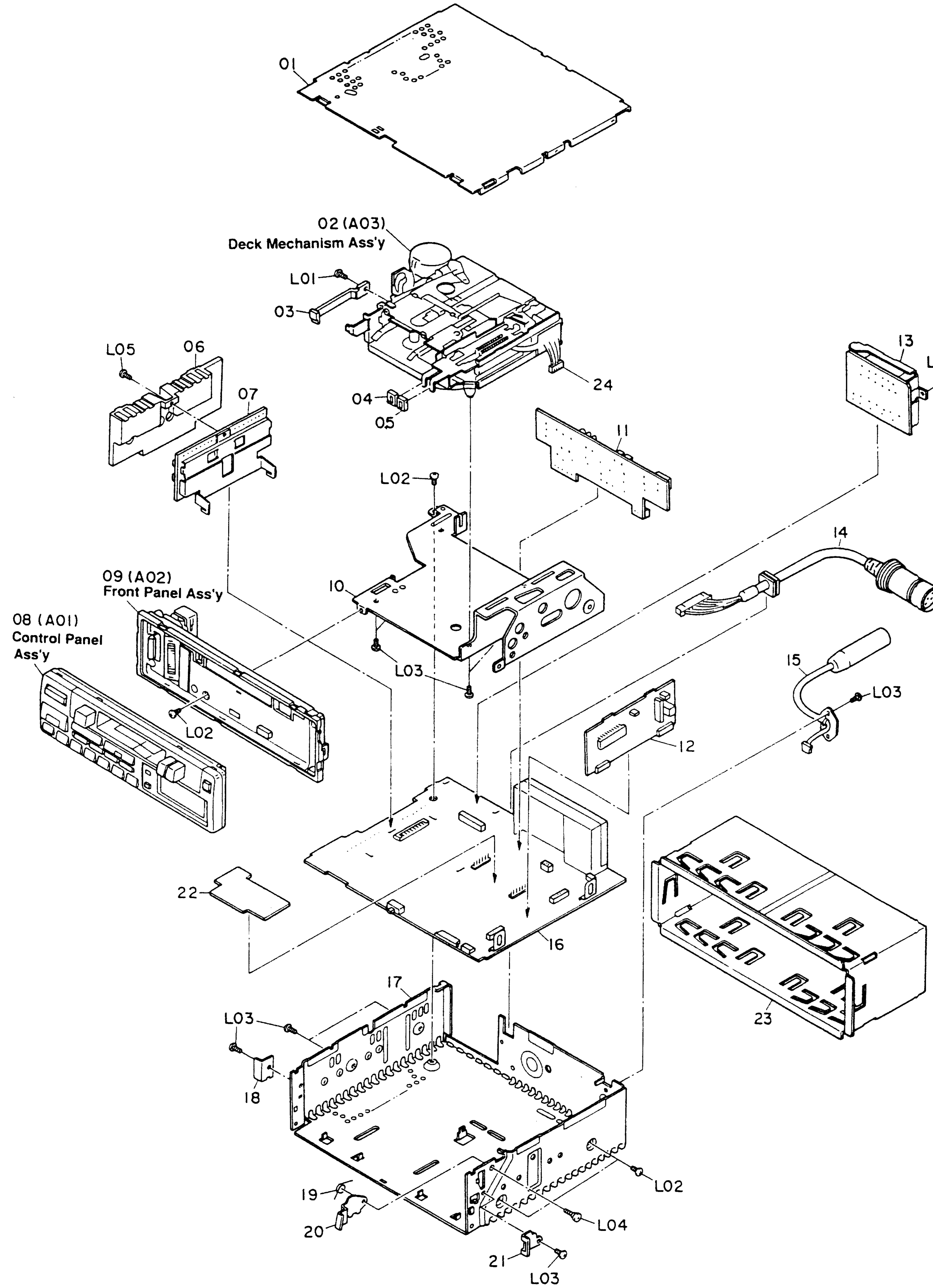

01
02 (A03)
Deck Mechanism Ass'y
L01
03
L05
06
07
04
05
24
13
L03
11
L02
14
09 (A02)
Front Panel Ass'y
10
08 (A01)
Control Panel
Ass'y
L03
15
L03
L02
12
22
16
23
17
L03
18
L02
19
L04
20
21
L03

Fig. 6.1

Schematic Ref. No.	Part No.	Description	Q'ty
	—	**Synthesis**	
01	0J07396A	Top Cover	1
02	CG09222A	Deck Mechanism Ass'y (USA, CAN, OTR, JPN)	1
	CG09223A	Deck Mechanism (R) Ass'y (EP)	1
03	0H06898A	Eject Plate	1
04	0J07421A	FF Lever Base	1
05	0J07422A	REW Lever Base	1
06	0J07386A	Heat Sink (USA, CAN, EP, OTR)	1
	0J07385A	Heat Sink (JPN)	1
07	BA09272A	Audio P.C.B. Ass'y	1
08	HA06928B	Control Panel Ass'y (USA, CAN)	1
	HA06930B	Control Panel Ass'y (EP)	1
	HA06929B	Control Panel Ass'y (OTR)	1
	HA06927B	Control Panel Ass'y (JPN)	1
09	HA06932A	Front Panel Ass'y (USA, CAN)	1
	HA06934A	Front Panel Ass'y (EP)	1
	HA06933A	Front Panel Ass'y (OTR)	1
	HA06931A	Front Panel Ass'y (JPN)	1
10	0C09824A	Mechanism Holder (USA, CAN, OTR, JPN)	1
	0C09822A	Mechanism Bracket RDS (EP)	1
11	BA09281A	Deck P.C.B. Ass'y (USA, CAN, OTR, JPN)	1
12	BA09314A	FM P.C.B. Ass'y (USA, CAN)	1
	BA09279A	FM P.C.B. Ass'y (OTR, JPN)	1
13	BA09283A	Connector P.C.B. Ass'y (EP)	1
14	0K80003A	13P DIN Cord Ass'y	1
15	0K80043A	Antenna Jack	1
16	BA09294A	Main P.C.B. Ass'y (USA, CAN)	1
	BA09292A	Main P.C.B. Ass'y (EP)	1
	BA09324A	Main P.C.B. Ass'y (OTR)	1
	BA09293A	Main P.C.B. Ass'y (JPN)	1
17	HG06920A	Main Chassis A Ass'y (USA, CAN, EP, OTR)	1
	0J07411A	Main Chassis B (JPN)	1
18	0J07408A	Side Stopper L	1
19	0J07395A	Lock Plate Spring	1
20	0C09825A	Lock Plate (USA, CAN, EP, OTR)	1
	0J07429A	Lock Plate (JPN)	1
21	0J07409A	Side Stopper R (USA, CAN, EP, OTR)	1
	0J07390A	Side Stopper R (JPN)	1
22	BA09280A	Sub P.C.B. Ass'y (USA, CAN, OTR, JPN)	1
23	0J07413A	Mounting Sleeve (USA, CAN, EP, OTR)	1
24	0K80005A	5P Connector Wire Ass'y	1
L01	0E00791A	M2.6x5 Binding	
L02	0E03824A	FT M3x5 Binding (Black Chromate)	
L03	0E03823A	FT M3x5 Binding	
L04	0E03826A	M3x6.2 Special Screw	
L05	0E00800A	ST3x6 + Binding	
—	0E03825A	M2.6x4 + Pan (JPN)	

6.2. Control Panel Ass'y (A01)

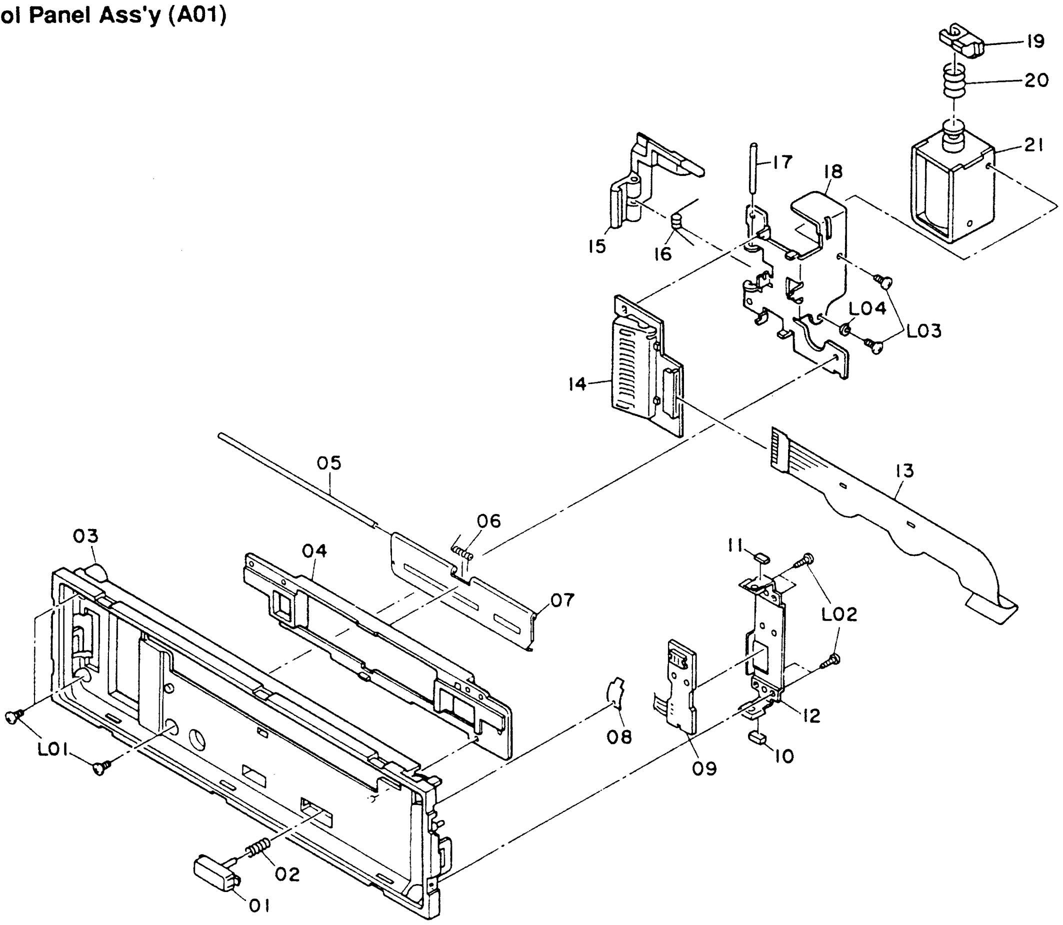


Fig. 6.2

Schematic Ref. No.	Part No.	Description	Q'ty
	HA06932A	**Front Panel Ass'y (USA, CAN)**	1
	HA06934A	**Front Panel Ass'y (EP)**	1
	HA06933A	**Front Panel Ass'y (OTR)**	1
	HA06931A	**Front Panel Ass'y (JPN)**	1
01	0H06887A	Button (A) (USA, CAN, EP, OTR)	1
02	0J07393A	Spring (A) (USA, CAN, EP, OTR)	1
03	0H06896A	Front Panel	1
04	0H06890A	Escutcheon	1
05	0J07418A	Cassette Door Shaft	1
06	0J07392A	Cassette Door Spring	1
07	0H06891A	Cassette Door	1
08	0J07389A	Release Switch Cover (USA, CAN, EP, OTR)	1
09	BA09276A	Release P.C.B. Ass'y (USA, CAN, EP, OTR)	1
10	0J07414A	Spacer Bottom (USA, CAN, EP, OTR)	1
11	0J07415A	Spacer Top (USA, CAN, EP, OTR)	1
12	0J07425A	Release P.C.B. Holder (USA, CAN, EP, OTR)	1
	HG06919A	Panel Holder Ass'y (JPN)	1
13	0K90003A	Flexible P.C.B.	1
14	BA09319A	Plunger P.C.B. Ass'y (USA, CAN, OTR)	1
	BA09320A	Plunger P.C.B. Ass'y (EP)	1
	BA09277A	Plunger P.C.B. Ass'y (JPN)	1
15	0C09817A	Plunger Arm (USA, CAN, EP, OTR)	1
	0J07382A	Plunger Arm (JPN)	1
16	0C09821A	Plunger Arm Spring	1
17	0C09818A	Plunger Arm Pin	1
18	0J07412A	Plunger Chassis	1
19	0C09819A	Cam Plunger (USA, CAN, EP, OTR)	1
20	0C09820A	Plunger Spring (USA, CAN, EP, OTR)	1
21	0K90002A	Plunger (USA, CAN, EP, OTR)	1
L01	0E03836A	ST M2.6x5 + Binding (Black Chromate)	
L02	0E03830A	PT M2x5 + Pan	
L03	0E03045A	M2.6x3 + Binding (USA, CAN, EP, OTR)	
L04	0E03832A	Spring Washer 2.6 (USA, CAN, EP, OTR)	

6.3. Front Panel Ass'y (A02)

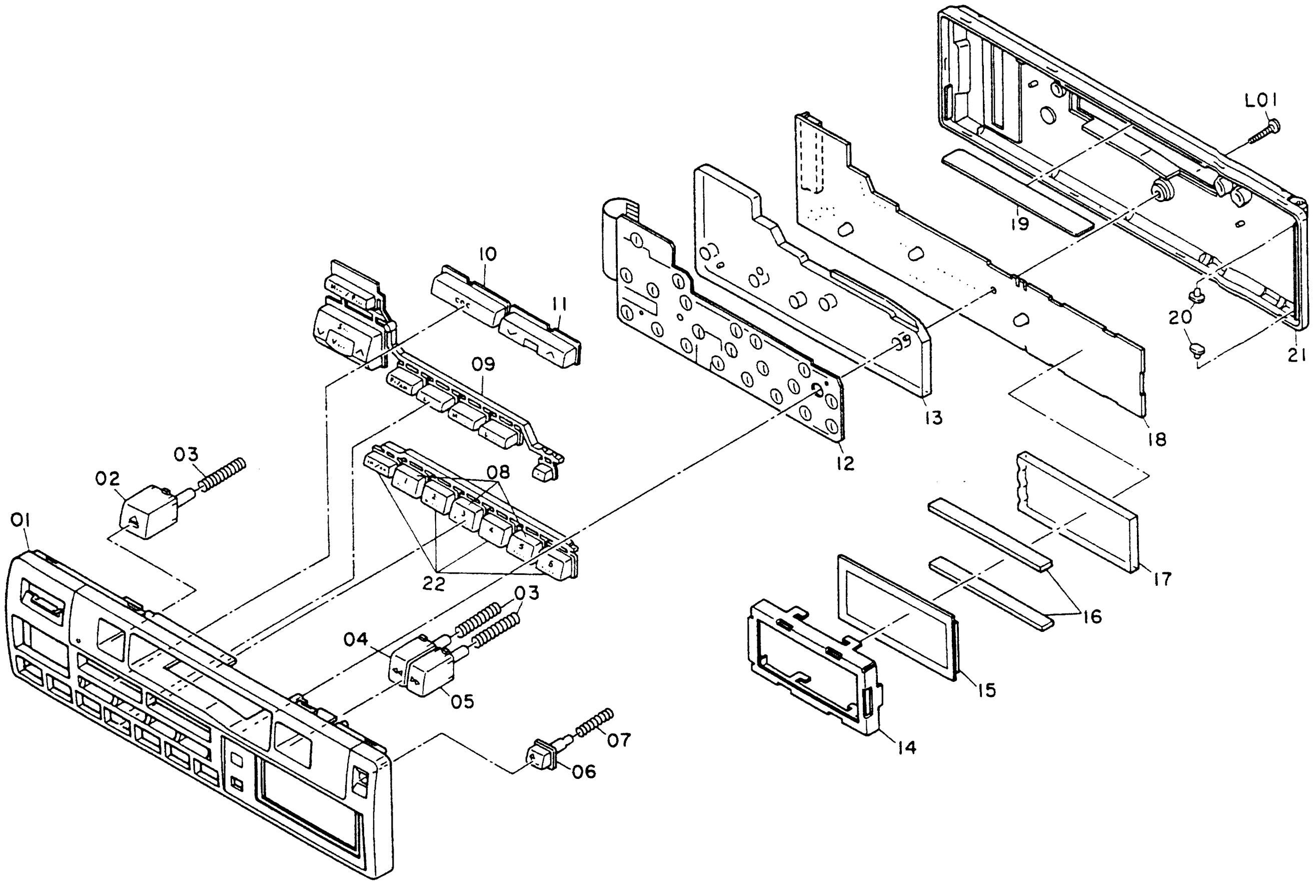


Fig. 6.3

Schematic Ref. No.	Part No.	Description	Q'ty
	HA06928B	**Control Panel Ass'y (USA, CAN)**	1
	HA06930B	**Control Panel Ass'y (EP)**	1
	HA06929B	**Control Panel Ass'y (OTR)**	1
	HA06927B	**Control Panel Ass'y (JPN)**	1
01	0H06879B	Control Panel (USA, CAN, OTR)	1
	0H06882B	Control Panel (R) (EP)	1
	HG06918B	Control Panel S Ass'y (JPN)	1
02	0H06905A	Eject Button	1
03	0J07391A	Eject Button Spring	3
04	0H06902A	Rew Button	1
05	0H06900A	FF Button	1
06	0H06901A	Release Button (USA, CAN, EP, OTR)	1
07	0J07394A	Release Button Spring (USA, CAN, EP, OTR)	1
08	0H06940A	Preset Button B	1
09	0H06895A	Function Button (USA, CAN, OTR, JPN)	1
	0H06894A	Function Button RDS (EP)	1
10	0H06904A	CDC Button	1
11	0H06903A	SEEK Button	1
12	0K70003A	Sheet Switch	1
13	0H06888A	Illumination Panel	1
14	0J07424A	LCD Holder	1
15	0K90001A	LCD	1
16	0J07405A	Inter-Connector	2
17	0H06886A	LCD Illumination	1
18	BA09318A	Control P.C.B. Ass'y	1
19	0J07423A	Reinforcement Plate	1
20	0H06885A	Control Panel Pin (USA, CAN, EP, OTR)	2
21	0H06884A	Control Panel Rear	1
22	0H06939A	Preset Button A	1
L01	0E03829A	M2x10 + Binding PT (Black Chromate)	

6.4. Deck Mechanism Ass'y (A03)

(1) For USA, CAN, OTR, JPN

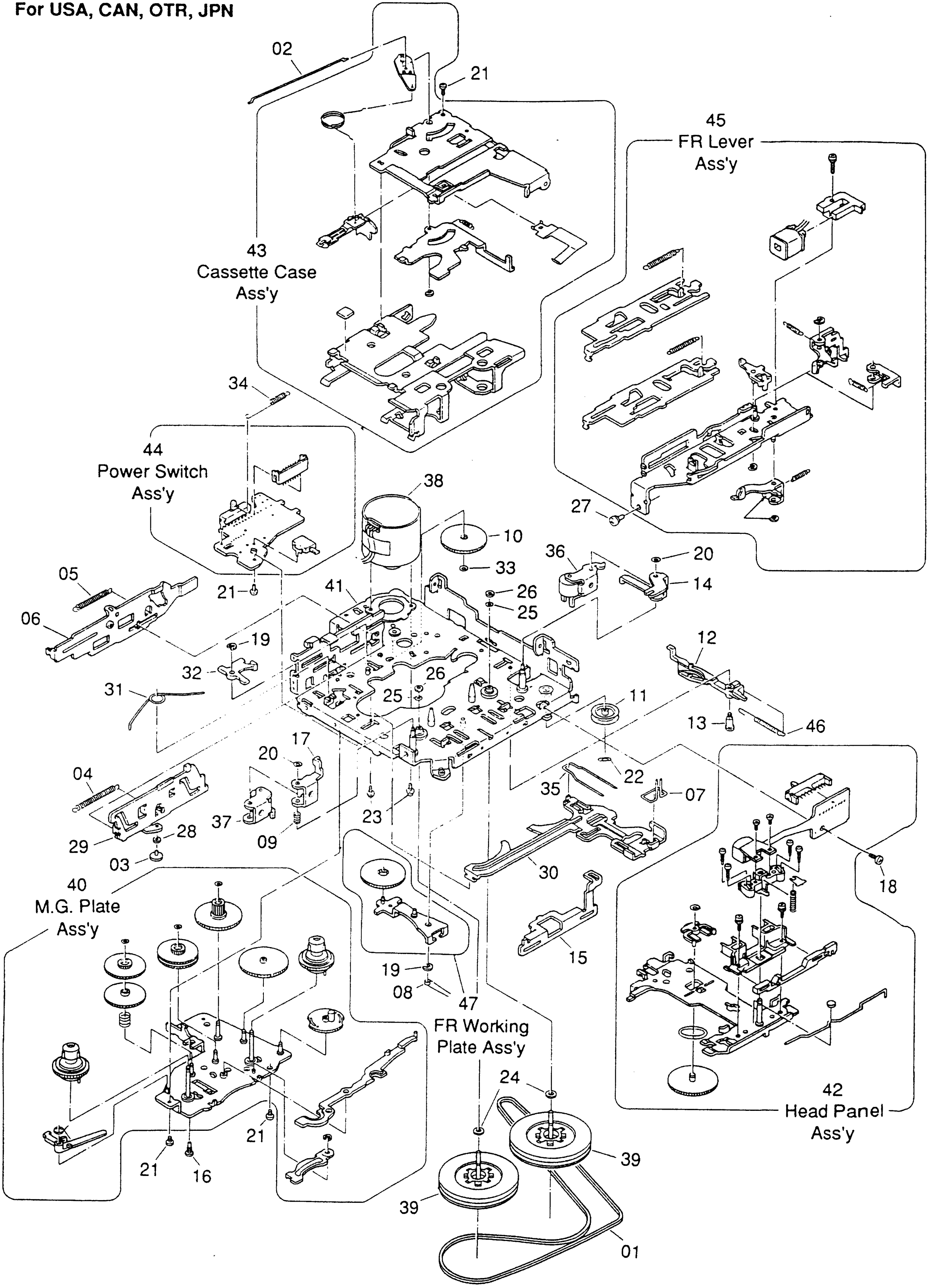

02
21
45
FR Lever
Ass'y
43
Cassette Case
Ass'y
34
44
Power Switch
Ass'y
38
27
10
36
20
33
05
21
41
26
14
06
25
19
12
32
26
31
25
11
13
46
17
20
22
04
35
07
23
37
28
09
29
03
30
18
40
M.G. Plate
Ass'y
15
19
08
47
FR Working
Plate Ass'y
24
42
Head Panel
Ass'y
21
39
21
16
39
01

Fig. 6.4.1 For USA, CAN, OTR, JPN

Schematic Ref. No.	Part No.	Description	Q'ty
	CG09222A	**Deck Mechanism Ass'y (USA, CAN, OTR, JPN)**	**1**
01	2C00165A	Main Belt	1
02	2C00171A	P.E. Spring	1
03	2C00174A	H.P. Roller A	1
04	2C00177A	C.H. Spring	1
05	2C00178A	Push Lever Spring	1
06	2C00179A	Push Lever M	1
07	2C00182A	H.S. Spring	1
08	2C00183A	FR Spring M	1
09	2C00184A	P.P Spring	1
10	2C00185A	Main Gear V	1
11	2C00186A	Middle Pulley	1
12	2C00188A	Trigger Arm (C)	1
13	2C00189A	Collar Screw (T)	1
14	2C00191A	Seesaw Working Plate	1
15	2C00193A	FR Slide Plate (M)	1
16	2C00194A	Collar Screw (P)	1
17	2C00195A	H.P. Return Arm	1
18	2C00197A	S.T.T. Screw M2x5	1
19	2C00198A	E Ring S2.0	2
20	2C00200A	Washer 1.6x3.8x0.3	2
21	2C00201A	S.T. Screw M2x3	4
22	2C00202A	Washer 0.85x2.8x0.25	1
23	2C00203A	Tams Screw M2x3	2
24	2C00204A	Washer 1.85x5x0.13	2
25	2C00205A	Washer 1.85x3.2x0.2	2
26	2C00206A	Washer 1.5x3.2x0.5	2
27	2C00208A	Tams Screw M2.6x4	1
28	2C00210A	H.P. Roller C	1
29	2C00211A	C.H. Push Plate M	1
30	2C00212A	Main Plate	1
31	2C00213A	Head Panel Spring M	1
32	2C00214A	H.P. Push Arm	1
33	2C00215A	Washer 1.2x3x0.25	1
34	2C00216A	Power Switch Spring	1
35	2C00236A	M.S. Spring	1
36	CB00284A	Pinch Roller Arm (F) Ass'y	1
37	CB00285A	Pinch Roller Arm (R) Ass'y	1
38	CB00288A	Motor Ass'y	1
39	CB00289A	F.L. Capstan Ass'y	2
40	CB00301A	M.G. Plate Ass'y	1
41	CB00299A	Chassis Ass'y	1
42	CB00300A	Head Panel Ass'y	1
43	CB00293A	Cassette Case Ass'y	1
44	CB00302A	Power Switch Ass'y	1
45	CB00303A	FR Lever Ass'y	1
46	2C00196A	T.A. Spring (C)	1
47	CB00295A	FR Working Plate Ass'y	1

(2) For EP

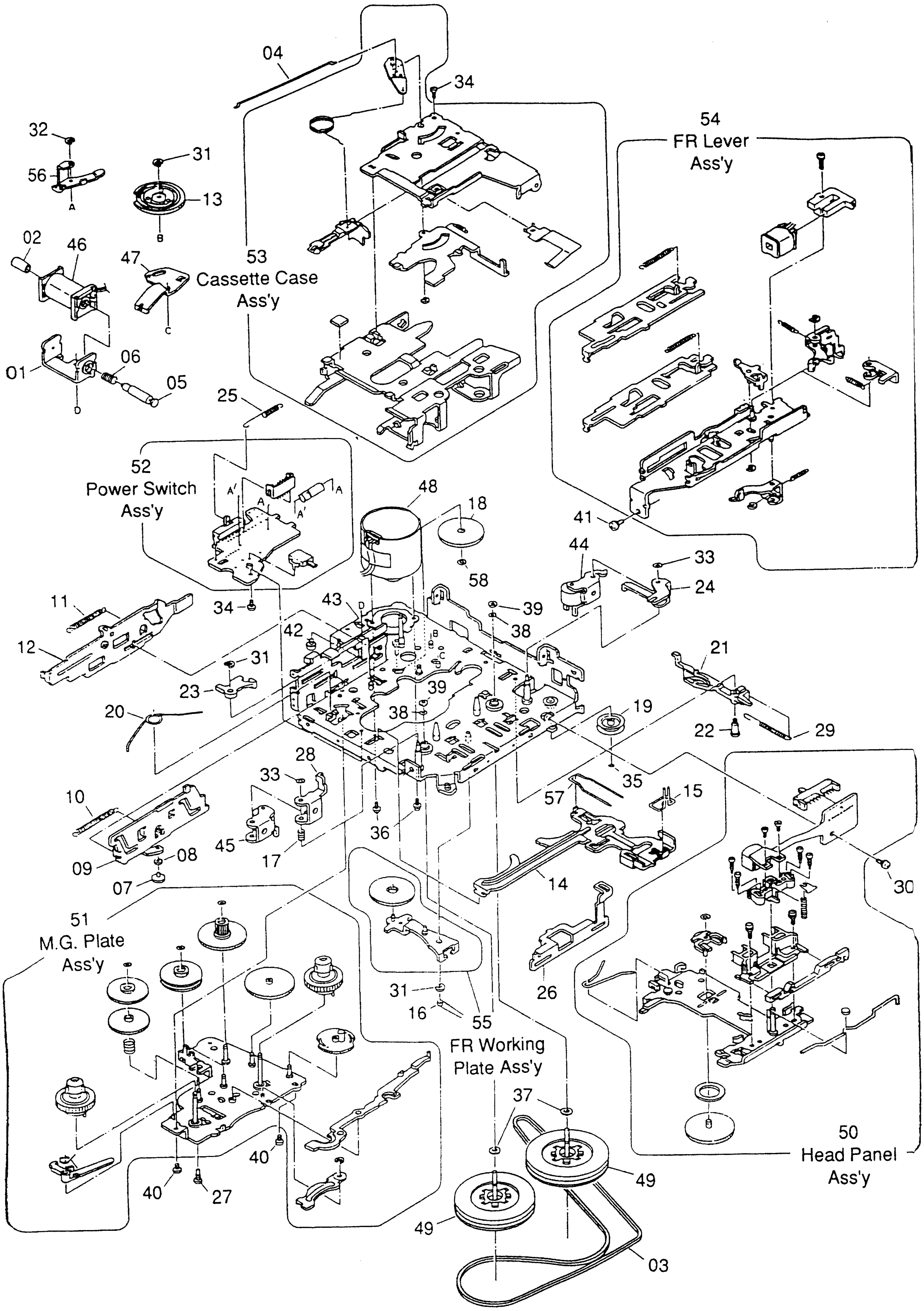

04
34
32
31
56
13
54
FR Lever
Ass'y
02
46
47
53
Cassette Case
Ass'y
01
06
05
25
52
Power Switch
Ass'y
48
18
41
44
33
58
24
11
34
43
39
12
42
38
31
21
23
39
20
38
19
22
29
28
33
35
10
57
15
45
36
09
08
17
14
30
07
51
M.G. Plate
Ass'y
26
31
16
55
FR Working
Plate Ass'y
37
50
Head Panel
Ass'y
40
40
27
49
49
03
A
B
C
D
A'

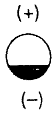
Fig. 6.4.2 For EP

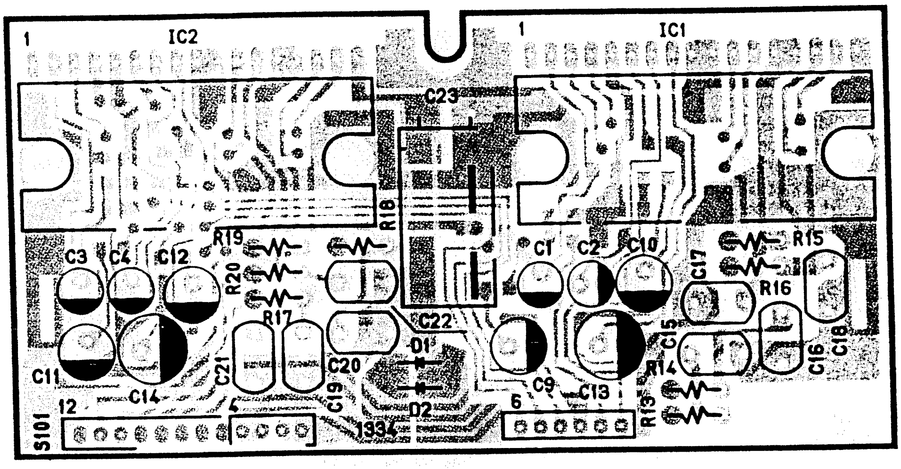
Schematic Ref. No.	Part No.	Description	Q'ty
	CG09223A	**Deck Mechanism (R) Ass'y (EP)**	**1**
01	2C00163A	P. Bracket (M)	1
02	2C00164A	Core (K)	1
03	2C00165A	Main Belt	1
04	2C00171A	P.E. Spring	1
05	2C00172A	Plunger (K)	1
06	2C00173A	Plunger SP	1
07	2C00174A	H.P. Roller A	1
08	2C00175A	H.P. Roller B	1
09	2C00176A	Push Plate	1
10	2C00177A	C.H. Spring	1
11	2C00178A	Push Lever Spring	1
12	2C00179A	Push Lever M	1
13	2C00180A	K.F. Cam Gear	1
14	2C00181A	Main Plate	1
15	2C00182A	H.S. Spring	1
16	2C00183A	FR Spring M	1
17	2C00184A	P.P Spring	1
18	2C00185A	Main Gear V	1
19	2C00186A	Middle Pulley	1
20	2C00187A	Head Panel Spring	1
21	2C00188A	Trigger Arm (C)	1
22	2C00189A	Collar Screw (T)	1
23	2C00190A	H.P. Push Arm (L)	1
24	2C00191A	Seesaw Working Plate	1
25	2C00192A	Power Switch Spring	1
26	2C00193A	FR Slide Plate (M)	1
27	2C00194A	Collar Screw (P)	1
28	2C00195A	H.P. Return Arm	1
29	2C00196A	T.A. Spring (C)	1
30	2C00197A	S.T.T. Screw M2x4	1
31	2C00198A	E Ring S2.0	3
32	2C00199A	E Ring S1.5	1
33	2C00200A	Washer 1.6x3.8x0.3	2
34	2C00201A	S.T. Screw M2x3	2
35	2C00202A	Washer 0.85x2.8x0.25	1
36	2C00203A	Tams Screw M2x3	2
37	2C00204A	Washer 1.85x5x0.13	2
38	2C00205A	Washer 1.85x3.2x0.2	2
39	2C00206A	Washer 1.5x3.2x0.5	2
40	2C00207A	Screw M2x2.5	2
41	2C00208A	Tams Screw M2.6x4	1
42	2C00209A	Screw M2.6x3.5	1
43	CB00283A	Chassis Ass'y	1
44	CB00284A	Pinch Roller Arm (F) Ass'y	1
45	CB00285A	Pinch Roller Arm (R) Ass'y	1
46	CB00286A	K.F. Coil Ass'y KM	1
47	CB00287A	K.F. Plate Ass'y	1
48	CB00288A	Motor Ass'y	1
49	CB00289A	F.L. Capstan Ass'y	2
50	CB00290A	Head Panel Ass'y	1
51	CB00291A	M.G. Plate Ass'y	1
52	CB00292A	Power Switch Ass'y	1
53	CB00293A	Cassette Case Ass'y	1
54	CB00294A	FR Lever Ass'y	1
55	CB00295A	FR Working Plate Ass'y	1
56	CB00298A	T.A. Plate Ass'y	1
57	2C00236A	M.S. Spring	1
58	2C00215A	Washer 1.2x3x0.25	1

7. MOUNTING DIAGRAMS AND PARTS LIST

7.1. Audio P.C.B. Ass'y

Polarity of Capacitor

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IC2
1
IC1
C23
R18
R19
R20
R17
C3
C4
C12
C11
C14
C21
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C20
C22
D1
D2
12
S101
1934
6
C1
C2
C10
C17
R15
R16
C15
C16
C18
C9
C13
R14
R13

Fig. 7.1.1 Component Side

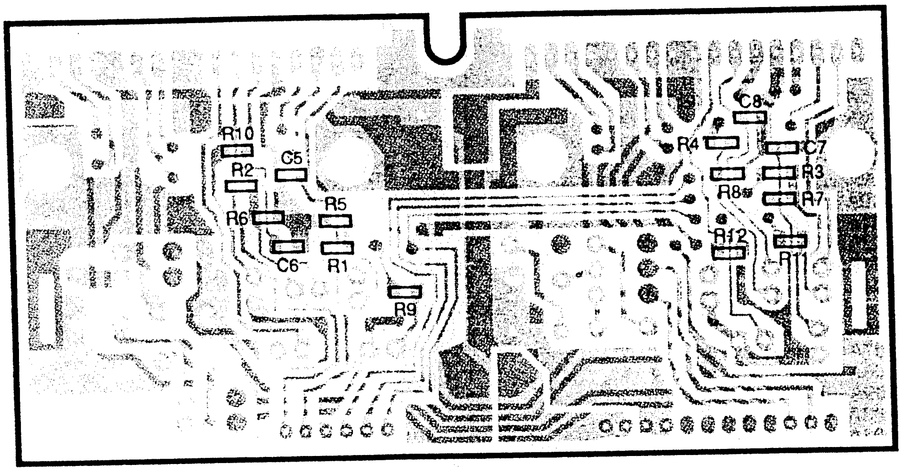

C8
R10
R4
C7
R2
C5
R3
R8
R7
R5
R6
R12
R11
C6
R1
R9

Fig. 7.1.2 Dip Side

7.2. Plunger P.C.B. Ass'y

(1) For USA, CAN, OTR, JPN

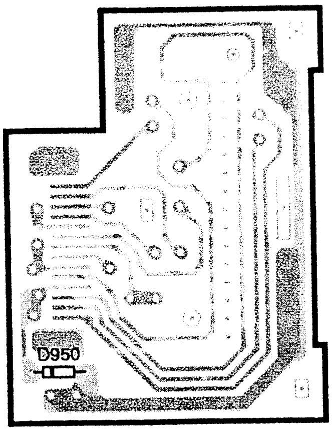


Fig. 7.2.1 Component Side (For USA, CAN, OTR, JPN)

(2) For EP

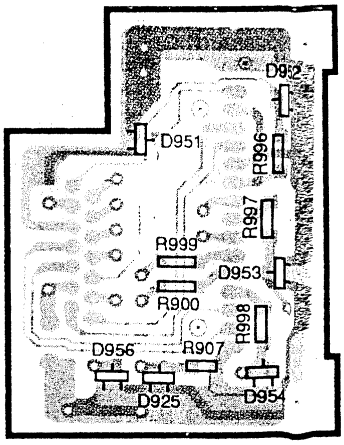
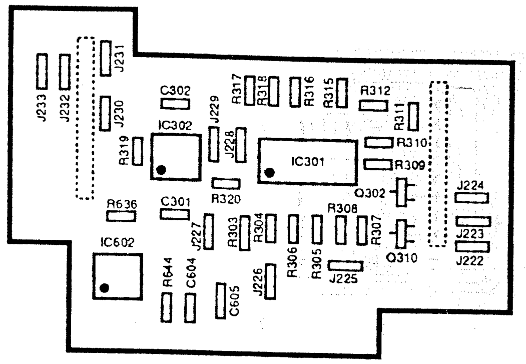

D952
D951
R996
R997
R999
D953
R900
R998
D956
R907
D925
D954

Fig. 7.2.2 Dip Side (For EP)

7.3. Sub P.C.B. Ass'y (For USA, CAN, OTR, and JPN Only)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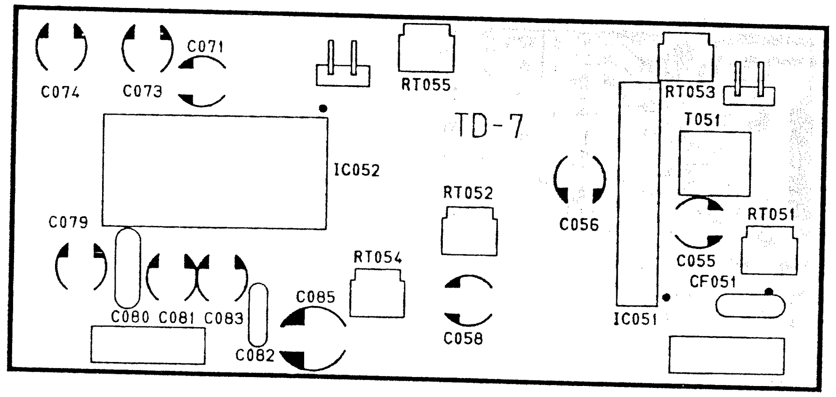
J232
J231
J230
J229
J228
J227
J226
J225
J224
J223
J222
C302
IC302
IC301
R312
R311
R310
R309
R308
R307
R306
R305
R304
R303
R317
R316
R315
R318
R319
R320
Q302
Q310
R636
C301
IC602
R644
C604
C605

Fig. 7.3 Dip Side – Chip parts

7.4. FM P.C.B. Ass'y (For USA, CAN, OTR, and JPN Only)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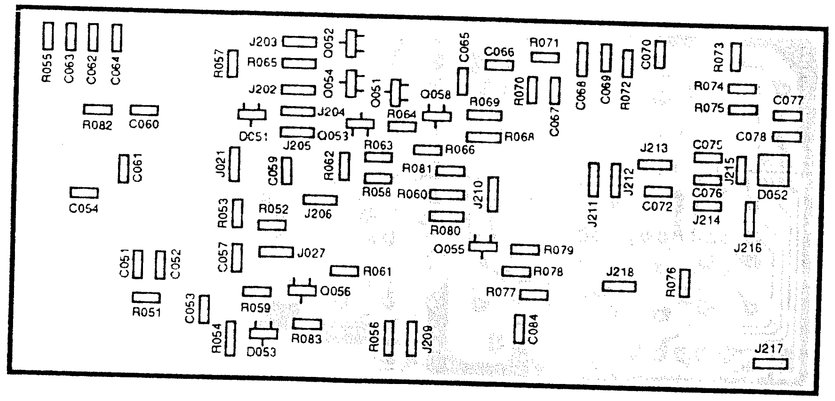
C074
C073
RT055
RT053
TD-7
T051
IC052
RT052
C056
RT051
C079
RT054
C055
CF051
C085
C080
C081
C083
IC051
C082
C058

Fig. 7.4.1 Component Side


R055
C063
C062
C064
R057
J203
R065
J202
D051
J204
Q052
Q054
Q051
Q053
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R064
R063
R069
R066
R068
C065
C066
R071
R070
C067
C068
C069
R072
C070
R073
R074
R075
C077
C078
R082
C060
C061
J205
J021
C059
R062
R081
R058
R060
J210
R080
J213
C075
J215
C076
C072
J212
J211
J214
D052
C054
R053
R052
J206
J216
C057
J027
R061
Q055
R079
R078
J218
R076
C051
C052
R051
C053
R059
Q056
R077
C084
R054
D053
R083
R056
J209
J217

Fig. 7.4.2 Dip Side – Chip parts

7.5. Deck P.C.B. Ass'y (For USA, CAN, OTR, and JPN Only)

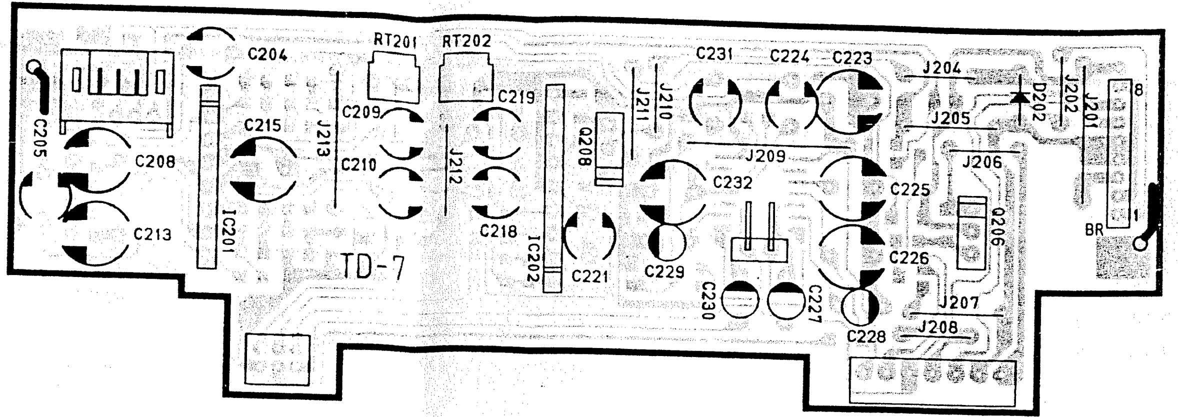

C204
RT201
RT202
C231
C224
C223
J204
C205
C215
J213
C209
C219
J210
J211
D202
J202
J201
J205
8
C208
C210
J212
Q208
J209
J206
C232
C225
Q206
BR
1
C213
IC201
C218
IC202
TD-7
C221
C229
C226
C230
C227
J207
C228
J208

Fig. 7.5.1 Component Side

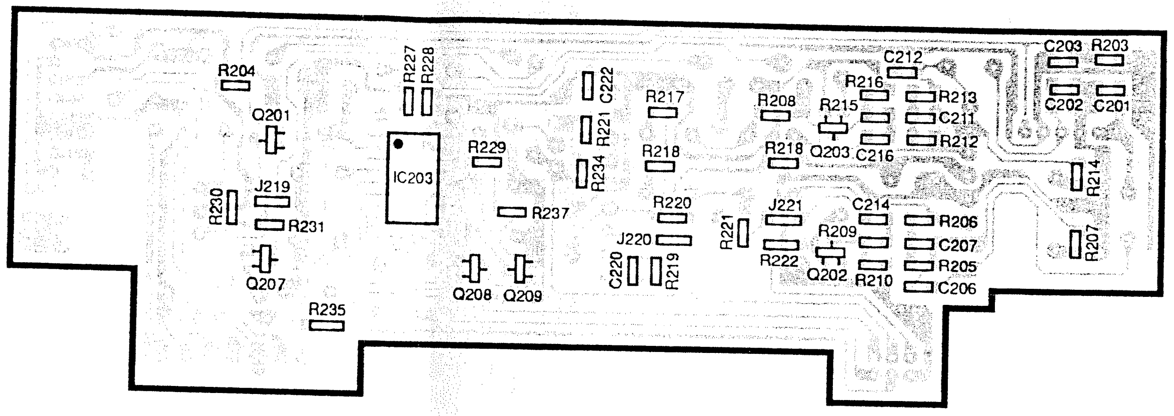

R204
R227
R228
C222
R217
C212
C203
R203
R216
R213
Q201
R208
R215
C211
C202
C201
IC203
R229
R221
R218
Q203
C216
R212
R234
R214
R230
J219
R220
R231
R237
J221
C214
R206
R221
R209
C207
J220
R222
R205
R207
Q207
C220
R219
Q202
R210
C206
R235
Q208
Q209

Fig. 7.5.2 Dip Side – Chip parts

7.6. Release P.C.B. Ass'y (Except JPN)

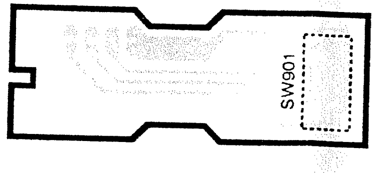


Fig. 7.6 Dip Side

7.7. Connector P.C.B. Ass'y (EP Only)

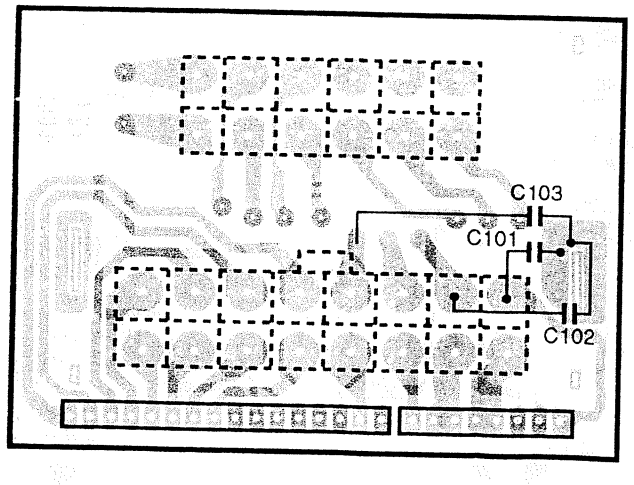

C103
C101
C102

Fig. 7.7 Dip Side

7.8. Control P.C.B. Ass'y

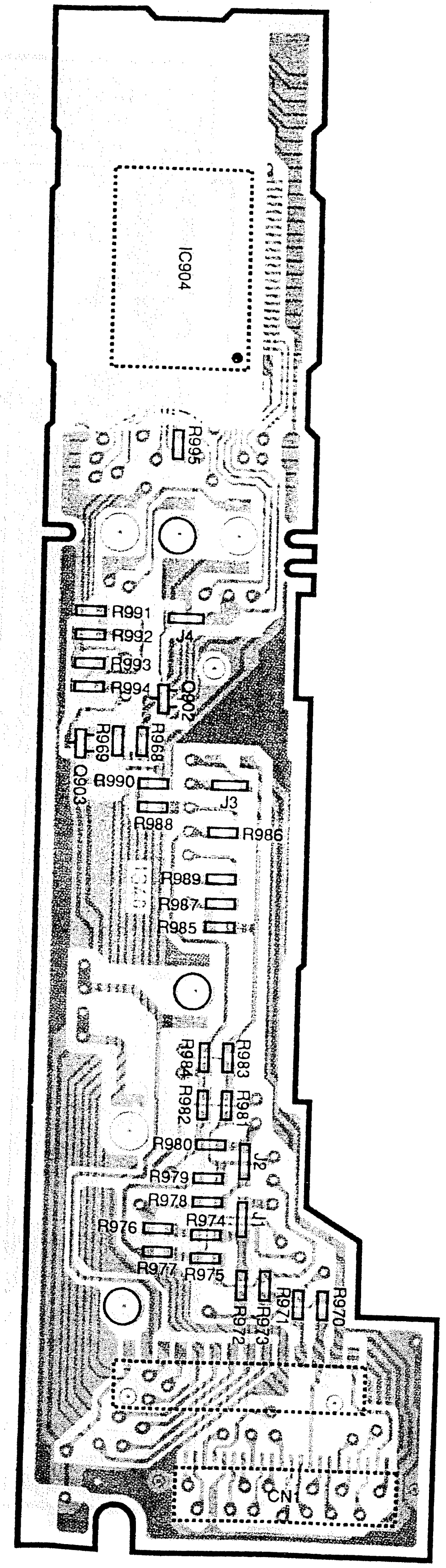

IC904
R995
R991
R992
R993
J4
R994
Q902
R969
R968
Q903
R990
J3
R988
R986
R989
R987
R985
R983
R984
R981
R982
R980
J2
R979
R978
R974
R976
J1
R977
R975
R971
R973
R972
R970
CN

Fig. 7.8 Dip Side

7.9. Main P.C.B. Ass'y

(1) For USA, CAN, OTR, JPN

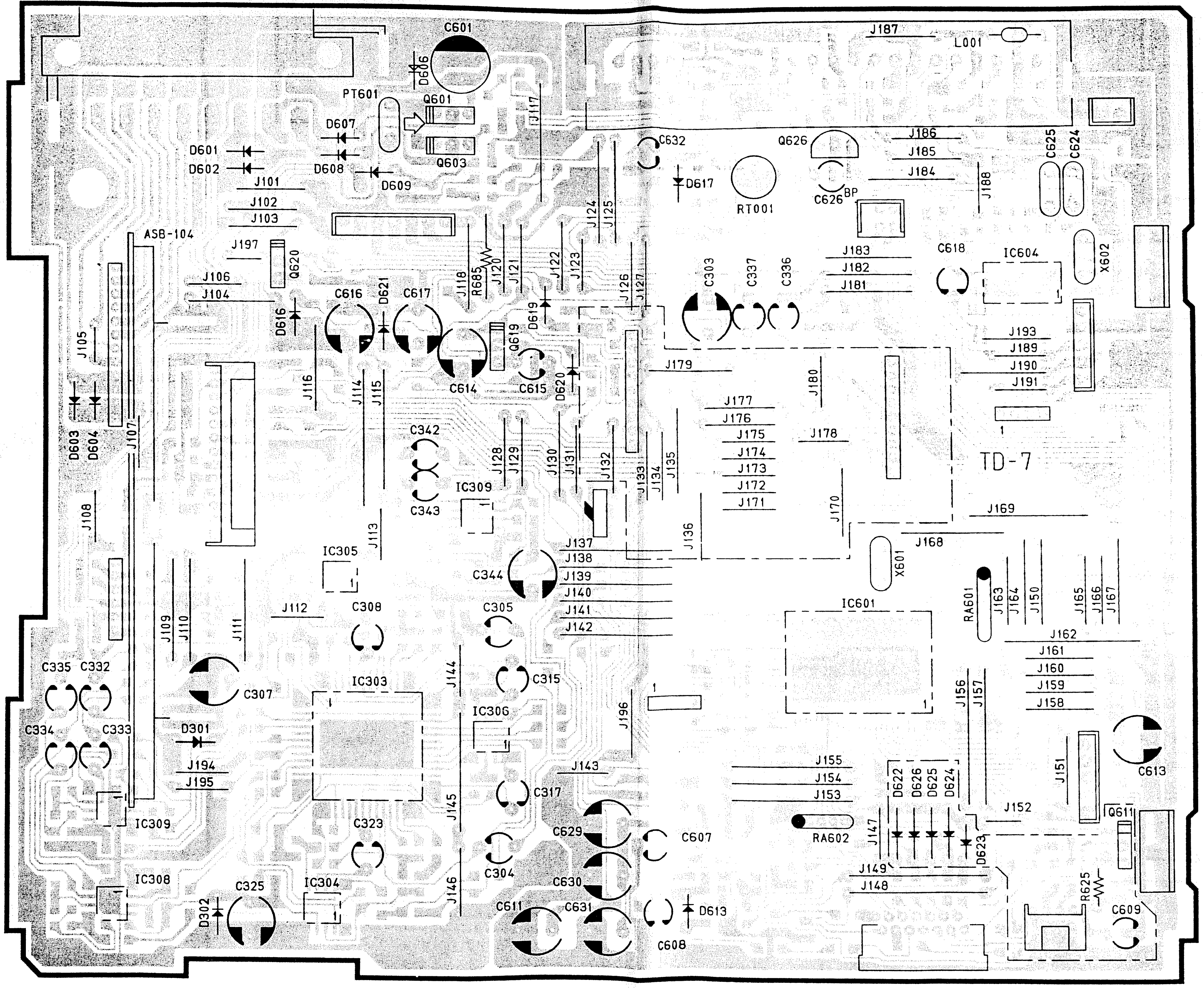

C601
D606
PT601
Q601
D607
D608
D609
Q603
D601
D602
J101
J102
J103
J117
J187
L001
J186
J185
J184
J188
C632
Q626
D617
RT001
C626 BP
C625
C624
ASB-104
J197
Q620
J106
J104
J118
R685
J120
J121
J122
J123
J124
J125
J126
J127
C303
C337
C336
J183
J182
J181
C618
IC604
X602
C616
D621
C617
D616
D619
Q619
C614
C615
D620
J105
J116
J114
J115
J179
J180
J193
J189
J190
J191
D603
D604
J107
C342
J128
J129
J130
J131
J132
J133
J134
J135
J177
J176
J175
J174
J173
J172
J171
J178
TD-7
1
IC309
C343
J170
J169
J108
J113
J137
J138
J139
J140
J141
J142
J136
X601
J168
IC305
C344
RA601
J163
J164
J150
J165
J166
J167
J109
J110
J111
J112
C308
C305
IC601
J162
J161
J160
J159
J158
C335
C332
C307
IC303
J144
C315
J196
J156
J157
C334
C333
D301
IC306
C613
J194
J195
J143
J155
J154
J153
D622
D626
D625
D624
J151
J152
Q611
C317
IC309
C323
J145
C629
C607
RA602
J147
D623
IC308
C325
IC304
C304
C630
J149
J148
R625
D302
J146
C611
C631
D613
C609
C608

Fig. 7.9.1.1 Component Side (For USA, CAN, OTR, JPN)

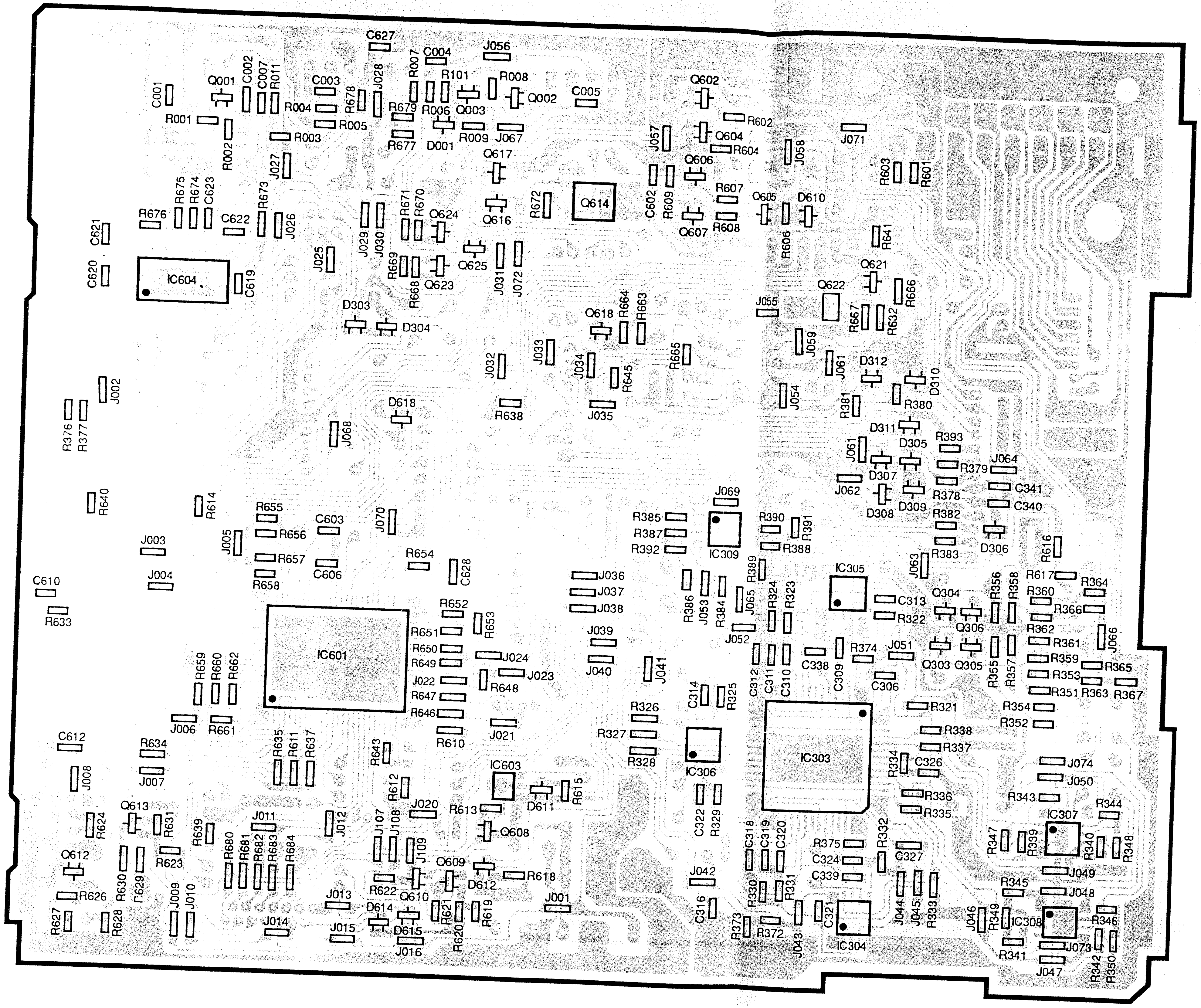
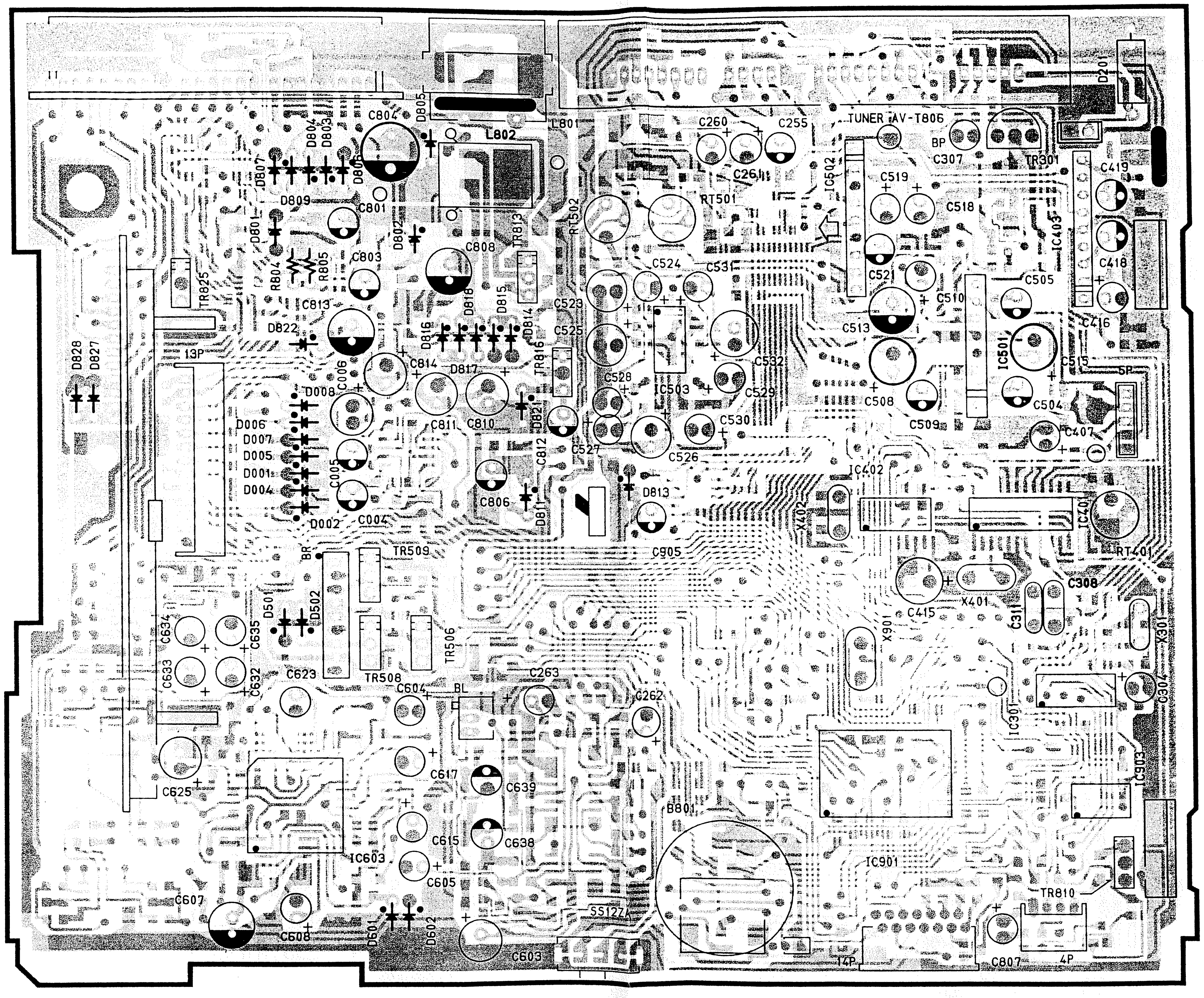

C627
C004
J056
C001
Q001
C002
C007
R011
C003
R678
J028
R007
R101
R008
Q002
C005
Q602
R001
R004
R005
R679
R006
Q003
R602
J071
R002
R003
R677
D001
R009
J067
J057
Q604
R604
J058
Q617
Q606
R603
R601
R675
R674
C623
R673
J027
R607
R676
C622
J026
R671
R670
Q624
R672
Q614
C602
R609
Q605
D610
Q616
R608
Q607
R606
R641
C621
J029
J030
R669
Q625
J025
R668
Q623
J031
J072
C620
IC604
C619
Q621
Q622
R666
D303
J055
D304
Q618
R664
R663
R667
R632
R665
J059
J032
J033
J034
R645
D312
R310
J061
J002
J054
R381
R380
D618
R638
J035
R376
R377
J068
D311
D305
R393
J061
D307
R379
J064
J062
R378
C341
D308
D309
R382
C340
R640
R614
R655
C603
J070
J069
R385
R387
R392
IC309
R390
R391
R388
J003
J005
R656
R654
R389
J063
R383
D306
R616
R657
C628
C606
J036
J037
J038
IC305
R617
R364
C610
J004
R658
R386
J053
R384
J065
R324
R323
R356
R358
R360
Q304
C313
R366
R633
R652
R651
R653
J039
R322
Q306
R362
J066
R650
J052
R374
J051
R361
IC601
R649
J024
J040
J041
R312
C311
C310
C338
C309
Q303
Q305
R355
R357
R359
R365
R659
R660
R662
J022
J023
R648
C306
R353
R351
R363
R367
R647
R326
C314
R325
R321
R354
R646
J006
R661
R610
J021
R327
R352
C612
R634
R635
R611
R637
R643
IC306
IC303
R338
R337
R334
C326
J074
J008
J007
IC603
R328
J050
R612
R615
R336
R343
R344
Q613
R624
R631
J011
J020
R613
D611
C322
R329
R335
IC307
R639
R680
R681
R682
R683
R684
J012
J107
J108
J109
Q608
C318
C319
C320
R375
R332
R347
R339
R340
R348
Q612
R623
C324
C327
Q609
D612
R618
J042
C339
J049
R345
R626
R630
R629
J009
J010
J013
R622
Q610
R621
R619
J001
C316
R330
R331
J048
J044
J045
R333
J046
R349
IC308
R346
R627
R628
J014
D614
J015
D615
R620
J016
R373
R372
J043
C321
IC304
R341
J073
R342
R350
J047

Fig. 7.9.1.2 Dip Side – Chip Parts (For USA, CAN, OTR, JPN)

(2) For EP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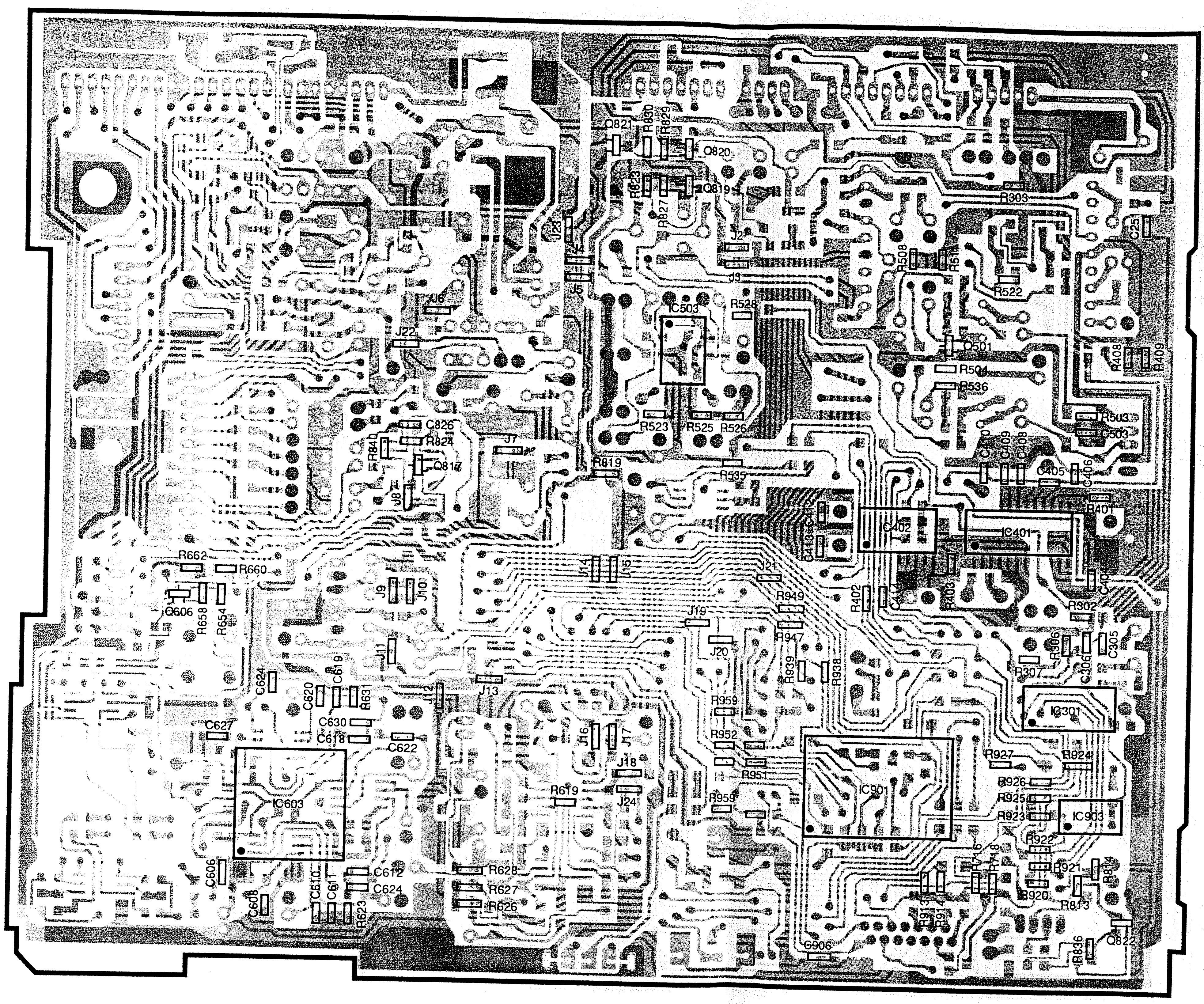
L801
C260
C255
TUNER AV-T806
BP
C307
TR301
D201
D804
D803
D807
D806
D809
C801
C261
RT501
IC502
C519
C518
C419
IC403
D801
R804
R805
C803
D602
C808
TR813
RT502
C524
C531
C521
C418
C505
TR825
C813
D818
D815
D814
C523
C525
C510
C513
C416
D822
D816
D817
C814
TR816
C532
IC501
C515
D828
D827
13P
C006
D008
C811
C810
D821
C528
IC503
C529
C508
C504
5P
D006
D007
D005
D001
D004
C005
C812
C527
C530
C526
C509
C407
IC402
D002
C004
C806
D811
D813
X402
IC401
RT401
TR509
BR
C905
C308
X401
D501
D502
C634
C635
C633
C632
C623
TR508
TR506
C415
X901
C311
X301
C604
BL
C263
C262
C304
IC301
IC903
C625
C617
C639
B801
C615
C638
IC603
C605
IC901
TR810
C607
C608
D601
D602
C603
SS127
14P
C807
4P

Fig. 7.9.2.1 Component Side (For EP)


Q821
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R829
Q820
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R827
Q819
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J4
J2
J3
J5
R303
C251
R508
R511
R522
IC503
R528
J6
J22
Q501
R504
R536
R408
R409
R503
C503
R523
R525
R526
C826
R824
R840
Q817
J7
J8
R819
R535
C410
C409
C408
C405
C406
R401
IC402
IC401
R662
R660
Q606
R658
R654
J14
J15
J21
R949
J9
J10
R402
R403
R902
J19
R947
J20
R939
R938
R306
C306
C305
R307
J11
C624
C620
C619
J13
IC301
C627
C630
C618
C622
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J16
J17
J18
R951
R927
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IC603
R619
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R959
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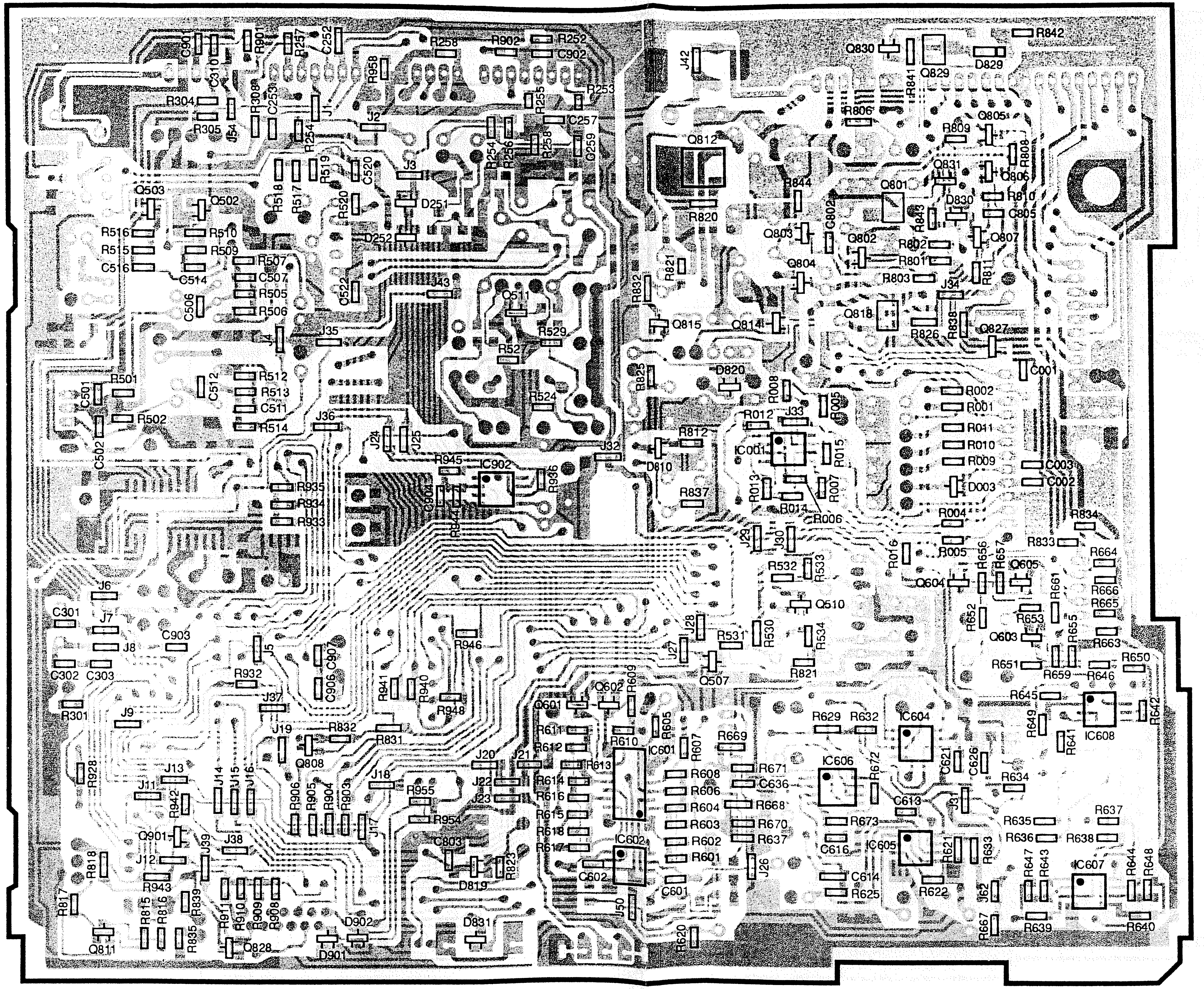
R925
R923
IC903
R922
R921
R814
C606
C612
R628
C610
C611
C624
R627
R626
R623
C608
R920
R813
C906
R836
Q822

Fig. 7.9.2.2 Component Side – Chip Parts (For EP)


C901
C310
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R257
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J42
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Q829
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R841
R304
R305
R308
C253
J1
J2
R958
R255
R253
C257
C259
R254
R236
R806
Q805
R809
Q812
R808
Q831
Q806
Q801
R810
D830
C805
Q807
R843
R844
R820
Q803
Q802
R802
R801
R803
R811
Q804
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D252
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R509
C516
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C514
C507
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C506
R506
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J35
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R512
R513
C511
R514
C501
C512
R502
C502
J36
J24
J25
R524
R825
D820
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J33
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R001
R011
R010
R009
R812
IC001
R015
D810
J32
R945
IC902
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R935
R934
R933
R837
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R014
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R006
C003
C002
D003
R004
R834
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R005
R016
J29
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R532
R533
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R657
Q605
R664
Q604
R661
R666
R665
Q510
J6
C301
J7
C903
J8
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C303
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J28
R531
R530
R534
J27
Q507
R821
R652
R653
Q603
R655
R663
R651
R659
R646
R650
J5
R932
C907
C906
R941
R940
J37
R948
Q601
Q602
R609
R605
R645
R301
J9
R629
R632
IC604
IC608
R642
R649
R641
J19
R832
R831
R611
R612
R610
IC601
R607
R669
Q808
J20
J21
R613
IC606
R672
C621
C626
R928
J13
J14
J15
J16
R906
R905
R904
R903
J18
R955
J22
J23
R614
R616
R615
R618
R617
R608
R606
R604
R603
R602
R601
R671
C636
R668
R670
R637
J31
R634
R942
J11
R954
C613
R673
R635
R637
Q901
J12
J38
J17
C803
D819
R823
IC602
C602
J26
C616
IC605
R621
R683
R636
R638
R818
R943
J39
R911
R910
R909
R908
D902
D901
D831
J50
C601
C614
R625
R622
J62
R647
R643
IC607
R644
R648
R817
R815
R816
R835
R839
Q811
Q828
R620
R667
R639
R640

Fig. 7.9.2.3 Dip Side – Chip Parts (For EP)

NOTES: 1. Abbreviations

TR – Transistor, SID – Silicon Diode, ZD – Zener Diode, Varicap – Variable Capacitance Diode
RK – Carbon Resistor, RM – Metal Film Resistor, RF – Fail Safe Type Resistor,
RC – Cement Resistor, CE – Electrolytic Capacitor, CML – Mylar Capacitor,
CC – Ceramic Capacitor, CPP – PP Capacitor, CMM – Metalized Mylar Capacitor,
CSP – Polystyrene Capacitor, C – Mica Capacitor, CT – Tantalum Capacitor

2. Description of capacitor: 10 16V = 10μ 16V
3. Parts marked with * show chip parts.

7.1. Audio P.C.B. Ass'y

Schematic Ref. No.	Part No.	Description
	BA09272A	**Audio P.C.B. Ass'y**
	0B61178A	Audio P.C.B.
IC001,002	0K10025A	IC TA8215L
R001,002	0K20030A	RK 10K 1/10W J*
R003,004	0K20030A	RK 10K 1/10W J*
R005,006	0K20019A	RK 1.2K 1/10W J*
R007,008	0K20019A	RK 1.2K 1/10W J*
R009,010	0K20014A	RK 470 1/10W J*
R011,012	0K20014A	RK 470 1/10W J*
R013,014	0K20080A	RK 2.2 1/4W J*
R015,016	0K20080A	RK 2.2 1/4W J*
R017,018	0K20080A	RK 2.2 1/4W J*
R019,020	0K20080A	RK 2.2 1/4W J*
C001,002	0K40088A	CE 3.3 50V
C003,004	0K40088A	CE 3.3 50V
C005,006	0K40032A	CC 1000P 50V J*
C007,008	0K40032A	CC 1000P 50V J*
C009,010	0K40086A	CE 33 10V
C011,012	0K40086A	CE 33 10V
C013,014	0K40087A	CE 100 10V
C015,016	0K40058A	CC 0.12 50V K
C017,018	0K40058A	CC 0.12 50V K
C019,020	0K40058A	CC 0.12 50V K
C021,022	0K40058A	CC 0.12 50V K
C023	0K40120A	CE 2200 16V
	0J07426A	Audio P.C.B. Holder (1)
	0K80029A	6P S-Connector (1)
	0K80031A	12P S-Connector (1)

7.2. Plunger P.C.B. Ass'y

(1) For USA, CAN, OTR, JPN

Schematic Ref. No.	Part No.	Description
	BA09319A	**Plunger P.C.B. Ass'y (USA, CAN, OTR)**
	BA09277A	**Plunger P.C.B. Ass'y (JPN)**
	0B61181A	Plunger P.C.B.
D950	0K10088A	SID 1SR139-200 (USA, CAN, OTR)
	0K80036A	15P Connector (1)
	0K80037A	14P S-Connector (1)

(2) For EP

Schematic Ref. No.	Part No.	Description
	BA09320A	**Plunger P.C.B. Ass'y (EP)**
	0B61181A	Plunger P.C.B.
D950	0K10088A	SID 1SR139-200
D951,952	0K10061A	SID HZM7.5NB2*
D953,954	0K10061A	SID HZM7.5NB2*
D955,956	0K10061A	SID HZM7.5NB2*
R900	0K20024A	RK 3.3K 1/10W J*
R907	0K20035A	RK 22K 1/10W J*
R996,997	0K20024A	RK 3.3K 1/10W J*
R998,999	0K20024A	RK 3.3K 1/10W J*
	0K80033A	14P S-Connector (1)
	0K80036A	15P Connector (1)

7.3. Sub P.C.B. Ass'y

Schematic Ref. No.	Part No.	Description
	BA09280A	**Sub P.C.B. Ass'y (USA, CAN, OTR, JPN)**
	0B61183B	Sub P.C.B.
IC301	0K10003A	IC BU4052BF*
IC302	0K10004A	IC BA15218F*
IC602	0K10013A	IC M51957BFP*
Q301,302	0K10042A	TR DTC114EK*
R303	0B23117A	RK 68K 1/8W J*
R304	0K20044A	RK 100K 1/10W J*
R305	0K20032A	RK 15K 1/10W J*
R306	0K20044A	RK 100K 1/10W J*
R307	0K20030A	RK 10K 1/10W J*
R308	0K20031A	RK 12K 1/10W J*
R309,310	0K20040A	RK 47K 1/10W J*
R311	0K20032A	RK 15K 1/10W J*
R312	0K20044A	RK 100K 1/10W J*
R315	0K20030A	RK 10K 1/10W J*
R316	0K20031A	RK 12K 1/10W J*
R317	0K20042A	RK 68K 1/10W J*
R318	0K20044A	RK 100K 1/10W J*
R319,320	0K20030A	RK 10K 1/10W J*
R636	0K20040A	RK 47K 1/10W J*
R644	0K20030A	RK 10K 1/10W J*
J222-233	0K20102A	RK 0 1/8W J*
C301,302	0K40011A	CC 22P 50V J*
C604	0K40046A	CC 0.047 50V J*
C605	0K40124A	CT 1 10V *
CN10,11	0K80038A	9P T-Connector

7.4. FM P.C.B. Ass'y

Schematic Ref. No.	Part No.	Description
	BA09314A	**FM P.C.B. Ass'y (USA, CAN)**
	BA09279A	**FM P.C.B. Ass'y (OTR, JPN)**
	0B61182B	FM P.C.B.
IC051	0K10026A	IC LA1140
IC052	0K10027A	IC AN7465K
Q051,052	0K10042A	TR DTC114EK*
Q053,054	0K10034A	TR 2SC2412K-R*
Q055,056	0K10034A	TR 2SC2412K-R*
Q058	0K10034A	TR 2SC2412K-R*
D051	0K10055A	SID DA119*
D052	0K10060A	SID DA227*
D053	0K10055A	SID DA119*
T051	0K50013A	RF TRANS 5140281
CF051	0K90010A	Ceramic Filter SFE10.7MJK-A
RT051	0K20087A	VR Semi VR 100K
RT052	0K20085A	VR Semi VR 10K
RT053	0K20086A	VR Semi VR 47K
RT054	0K20084A	VR Semi VR 4.7K
RT055	0K20083A	VR Semi VR 2.2K
R051	0K20012A	RK 330 1/10W J*
R052,053	0K20040A	RK 47K 1/10W J*
R054	0K20054A	RK 22 1/8W J*
R055	0K20040A	RK 47K 1/10W J*
R056	0K20063A	RK 2.2K 1/8W J*
R057,058	0K20030A	RK 10K 1/10W J*
R059	0K20030A	RK 10K 1/10W J*
R060	0K20067A	RK 8.2K 1/8W J*
R061	0K20030A	RK 10K 1/10W J*
R062	0K20047A	RK 150K 1/10W J*
R063	0K20042A	RK 68K 1/10W J*
R064	0K20035A	RK 22K 1/10W J*
R065	0K20071A	RK 22K 1/8W J*
R066	0K20045A	RK 110K 1/10W J*
R067	0K20030A	RK 10K 1/10W J*
R068	0K20073A	RK 47K 1/8W J*
R069	0K20066A	RK 7.5K 1/8W J*
R070	0K20020A	RK 1.5K 1/10W J*
R071	0K20049A	RK 220K 1/10W J*
R072	0K20022A	RK 2.2K 1/10W J*
R073	0K20050A	RK 270K 1/10W J*
R074,075	0K20031A	RK 12K 1/10W J*
R076	0K20024A	RK 3.3K 1/10W J*
R077	0K20031A	RK 12K 1/10W J*
R078	0K20001A	RK 10 1/10W J*
R079	0K20044A	RK 100K 1/10W J*
R080	0K20065A	RK 4.7K 1/8W J*
R081	0K20022A	RK 2.2K 1/10W J*
R082	0K20031A	RK 12K 1/10W J*
R083	0K20030A	RK 10K 1/10W J*
J201-207	0K20102A	RK 0 1/8W J*
J209-213	0K20102A	RK 0 1/8W J*
J214,215	0K20101A	RK 0 1/10W J*
J216-218	0K20102A	RK 0 1/8W J*
C051,052	0K40042A	CC 0.022 50V J*
C053,054	0K40042A	CC 0.022 50V J*
C055	0K40108A	CE 1 50V
C056	0K40110A	CE 3.3 50V
C057	0K40029A	CC 220P 50V J*
C058	0K40110A	CE 3.3 50V
C059	0K40042A	CC 0.022 50V J*
C060	0K40011A	CC 22P 50V J*
C061	0K40046A	CC 0.047 50V J*
C062	0K40030A	CC 330P 50V J*
C063,064	0K40042A	CC 0.022 50V J*
C065	0K40034A	CC 2200P 50V J*
C066,067	0K40046A	CC 0.047 50V J*
C068	0K40054A	CC 0.1 25V K*
C069	0K40036A	CC 3300P 50V J*
C070	0K40040A	CC 0.01 50V J*
C071	0K40104A	CE 4.7 35V
C072	0K40042A	CC 0.022 50V J*
C073	0K40107A	CE 0.33 50V
C074	0K40109A	CE 2.2 50V
C075	0K40042A	CC 0.022 50V J* (USA, CAN)

Schematic Ref. No.	Part No.	Description
	0K40041A	CC 0.015 50V J* (OTR, JPN)
C076	0K40042A	CC 0.022 50V J* (USA, CAN)
	0K40041A	CC 0.015 50V J* (OTR, JPN)
C077,078	0K40032A	CC 1000P 50V J*
C079	0K40106A	CE 0.22 50V
C080	0K40057A	CC 0.1 50V K
C081	0K40106A	CE 0.22 50V
C082	0K40064A	CC 390P 100V J
C083	0K40106A	CE 0.22 50V
C084	0K40039A	CC 6800P 50V J*
C085	0K40094A	CE 220 10V
CN6,7	0K80017A	2P S-Post
CN8	0B80039A	Jumper Wire 15mm
CN9	0K80039A	5P S-Connector

7.5. Deck P.C.B. Ass'y

Schematic Ref. No.	Part No.	Description
	BA09281A	**Deck P.C.B. Ass'y (USA, CAN, OTR, JPN)**
	0B61184B	Deck P.C.B.
IC201	0K10022A	IC LA3161
IC202	0K10024A	IC AN6262N
IC203	0K10001A	IC CXA1101*
Q201	0K10034A	TR 2SC2412K-R*
Q202,203	0K10041A	TR DTC114TK*
Q206	0K10047A	TR 2SB1237-Q
Q207	0K10041A	TR DTC114TK*
Q208A	0K10047A	TR 2SB1237-Q
Q208B	0K10042A	TR DTC114EK*
Q209	0K10042A	TR DTC114EK*
D202	0K10066A	SID 1SR139-200
RT201,202	0K20086A	Semi VR 47K
R203	0K20030A	RK 10K 1/10W J*
R204	0K20035A	RK 22K 1/10W J*
R205	0K20044A	RK 100K 1/10W J*
R206	0K20026A	RK 4.7K 1/10W J*
R207	0K20004A	RK 47 1/10W J*
R208	0K20063A	RK 2.2K 1/8W J*
R209	0K20023A	RK 2.7K 1/10W J*
R210	0K20053A	RK 1M 1/10W J*
R211	0K20022A	RK 2.2K 1/10W J*
R212	0K20026A	RK 4.7K 1/10W J*
R213	0K20044A	RK 100K 1/10W J*
R214	0K20004A	RK 47 1/10W J*
R215	0K20023A	RK 2.7K 1/10W J*
R216	0K20053A	RK 1M 1/10W J*
R217,218	0K20030A	RK 10K 1/10W J*
R219	0K20049A	RK 220K 1/10W J*
R220	0K20057A	RK 220 1/8W J*
R221	0K20020A	RK 1.5K 1/10W J*
R222	0K20068A	RK 10K 1/8W J*
R227	0K20042A	RK 68K 1/10W J*
R228	0K20039A	RK 43K 1/10W J*
R229	0K20042A	RK 68K 1/10W J*
R230	0K20061A	RK 1K 1/8W J*
R231	0K20020A	RK 1.5K 1/10W J*
R234	0K20018A	RK 1K 1/10W J*
R235	0K20068A	RK 10K 1/8W J*
R236	0K20058A	RK 390 1/8W J*
R237	0K20030A	RK 10K 1/10W J*
J219-221	0K20102A	RK 0 1/8W J*
C201,202	0K40032A	CC 1000P 50V J*
C203	0K40046A	CC 0.047 50V J*
C204,205	0K40108A	CE 1 50V
C206	0K40028A	CC 150P 50V J*
C207	0K40044A	CC 0.033 50V J*
C208	0K40093A	CE 100 10V
C209,210	0K40108A	CE 1 50V
C211	0K40044A	CC 0.033 50V J*
C212	0K40028A	CC 150P 50V J*
C213	0K40093A	CE 100 10V
C214	0K40042A	CC 0.022 50V J*
C215	0K40102A	CE 220 16V
C216	0K40042A	CC 0.022 50V J*
C218,219	0K40108A	CE 1 50V
C220	0K40007A	CC 10P 50V J*
C221	0K40099A	CE 10 16V
C222	0K40044A	CC 0.033 50V J*
C223	0K40093A	CE 100 10V
C224	0K40108A	CE 1 50V
C225	0K40093A	CE 100 10V
C226	0K40092A	CE 47 10V
C227	0K40104A	CE 4.7 35V
C228,229	0K40130A	CT 0.68 50V
C230	0K40104A	CE 4.7 35V
C231	0K40108A	CE 1 50V
C232	0K40093A	CE 100 10V
CN1	0K80027A	5P S-Post
CN2	0K80012A	8P Connector Ass'y
CN3	0K80040A	6P S-Connector
CN4	0K80041A	7P S-Connector
CN5	0K80017A	2P S-Post

7.6. Release P.C.B. Ass'y

Schematic Ref. No.	Part No.	Description
	BA09276A	**Release P.C.B. Ass'y (USA, CAN, EP, OTR)**
	0B61180A	Release P.C.B.
	0K70001A	Tact Switch (1)
	0K80002A	4P Connector B Ass'y (1)

7.7. Connector P.C.B. Ass'y

Schematic Ref. No.	Part No.	Description
	BA09283A	**Connector P.C.B. Ass'y (EP)**
	0B61185A	Connector P.C.B.
C101,102	0B41944A	CC 1000P 50V K
C103	0B47206A	CC 47P 50V J
	0J07383A	CN Holder A (1)
	0K80022A	12P XL Connector (1)
	0K80024A	16P XL Connector (1)
	0K80030A	8P S-Connector (1)
	0K80034A	16P S-Connector (1)

7.8. Control P.C.B. Ass'y

Schematic Ref. No.	Part No.	Description
	BA09318A	**Control P.C.B. Ass'y**
	0B61179A	Control P.C.B.
IC904	0K10017A	IC uPD16430*
Q902	0K10042A	TR DTC114EK*
Q903	0K10030A	TR 2SA1036K-R*
PL905,906	0K90005A	Lamp Amber
PL907	0K90005A	Lamp Amber
R968,969	0K20018A	RK 1K 1/10W J*
R970,971	0K20008A	RK 180 1/10W J*
R972,973	0K20009A	RK 200 1/10W J*
R974,975	0K20011A	RK 270 1/10W J*
R976,977	0K20012A	RK 330 1/10W J*
R978,979	0K20013A	RK 430 1/10W J*
R980,981	0K20015A	RK 560 1/10W J*
R982,983	0K20017A	RK 820 1/10W J*
R984,985	0K20019A	RK 1.2K 1/10W J*
R986,987	0K20021A	RK 2K 1/10W J*
R988,989	0K20025A	RK 3.9K 1/10W J*
R990	0K20031A	RK 12K 1/10W J*
R991,992	0K20018A	RK 1K 1/10W J*
R993,994	0K20018A	RK 1K 1/10W J*
R995	0K20044A	RK 100K 1/10W J*
J001-004	0K20102A	RK 0 1/8W J*
	0J07439A	Cushion (1)
	0K80015A	22P Flexible Connector (1)
	0K80035A	15P Connector (1)

7.9. Main P.C.B. Ass'y
(1) For USA, CAN, OTR, JPN

Schematic Ref. No.	Part No.	Description
	BA09294A	**Main P.C.B. Ass'y (USA, CAN)**
	BA09324A	**Main P.C.B. Ass'y (OTR)**
	BA09293A	**Main P.C.B. Ass'y (JPN)**
	0B61189B	Main P.C.B.
IC303	0K10016A	IC LC7537AN*
IC304,305	0K10004A	IC BA15218F*
IC306,307	0K10004A	IC BA15218F*
IC308,309	0K10004A	IC BA15218F*
IC601	0K10020A	IC uPD75517GF2803B (USA, CAN, JPN)
	0B10656A	IC uPD75517-310-3B9 (OTR)
IC603	0K10014A	IC S80737AND1*
IC604	0K10012A	IC LC72140*
Q001,002	0K10034A	TR 2SC2412K-R*
Q003	0K10034A	TR 2SC2412K-R*
Q303,304	0K10043A	TR DTC314TK*
Q305,306	0K10043A	TR DTC314TK*
Q601	0K10049A	TR 2SB1398-Q
Q602	0K10042A	TR DTC114EK*
Q603	0K10049A	TR 2SB1398-Q
Q604	0K10042A	TR DTC114EK*
Q605	0K10040A	TR DTA114TK*
Q606	0K10041A	TR DTC114TK*
Q607	0K10030A	TR 2SA1036K-R*
Q608,609	0K10034A	TR 2SC2412K-R*
Q610	0K10034A	TR 2SC2412K-R*
Q611	0K10049A	TR 2SB1398-Q (USA, CAN, OTR)
Q612	0K10034A	TR 2SC2412K-R* (USA, CAN, OTR)
Q613	0K10030A	TR 2SA1036K-R* (USA, CAN, OTR)
Q614	0K10032A	TR 2SD1758 F5-Q*
Q616	0K10039A	TR DTA124EK*
Q617	0K10042A	TR DTC114EK*
Q618	0K10030A	TR 2SA1036K-R*
Q619	0K10050A	TR 2SD1858-Q
Q620	0K10049A	TR 2SB1398-Q
Q621	0K10041A	TR DTC114TK*
Q622	0K10036A	TR 2SD1898-Q*
Q623,624	0K10030A	TR 2SA1036K-R*
Q625	0K10042A	TR DTC114EK*
Q626	0K10053A	TR 2SK583-Q
D001	0K10055A	SID DA119*
D301,302	0K10082A	ZD MTZJ4.7B
D303,304	0K10055A	SID DA119*
D305,306	0K10061A	SID HZM7.5NB2*
D307	0K10061A	SID HZM7.5NB2*
D308	0K10055A	SID DA119*
D309,310	0K10061A	SID HZM7.5NB2*
D311,312	0K10061A	SID HZM7.5NB2*
D601	0K10078A	SID 1SR139-200
D602,603	0K10078A	SID 1SR139-200
D604	0K10078A	SID 1SR139-200
D606,607	0K10078A	SID 1SR139-200
D608	0K10078A	SID 1SR139-200
D609	0K10080A	ZD MTZJ5.1B
D610,611	0K10055A	SID DA119*
D612	0K10056A	SID DAN217*
D613	0K10081A	ZD MTZJ5.6C
D614,615	0K10061A	SID HZM7.5NB2* (USA, CAN, OTR)
D616	0K10084A	ZD MTZJ6.2C
D617	0K10079A	ZD MTZJ10A
D618	0K10055A	SID DA119*
D619	0K10077A	SID 1SS133
D620	0K10085A	ZD MTZJ6.8C
D621	0K10079A	ZD MTZJ10A
D622,623	0K10083A	ZD MTZJ7.5C (USA, CAN, OTR)
D624,625	0K10083A	ZD MTZJ7.5C (USA, CAN, OTR)
D626	0K10083A	ZD MTZJ7.5C (USA, CAN, OTR)
D627	0K10055A	SID DA119*
X601	0K90012A	X'tal 4.19430MHz
X602	0K90013A	X'tal 7.2MHz
L001	0K50023A	INDUCTOR 6.8uH
PT601	0K10090A	PTH61G33AR3R9M
RT001	0K20088A	Semi VR 10K
RA601	0K20100A	R-Array 27K
RA602	0K20099A	R-Array 22K
R001	0K20044A	RK 100K 1/10W J*
R002	0K20044A	RK 100K 1/10W J*
R003	0K20026A	RK 4.7K 1/10W J*
R004	0K20012A	RK 330 1/10W J*
R005	0K20012A	RK 330 1/10W J*
R006	0K20024A	RK 3.3K 1/10W J*
R007	0K20038A	RK 33K 1/10W J*
R008	0K20030A	RK 10K 1/10W J*
R009	0K20030A	RK 10K 1/10W J*
R010	0K20030A	RK 10K 1/10W J*
R011	0K20017A	RK 820 1/10W J*
R321	0K20061A	RK 1K 1/8W J*
R322	0K20053A	RK 1M 1/10W J*
R323	0K20032A	RK 15K 1/10W J*
R324	0K20024A	RK 3.3K 1/10W J*
R325	0K20053A	RK 1M 1/10W J*
R326,327	0K20063A	RK 2.2K 1/8W J*
R328	0K20063A	RK 2.2K 1/8W J*
R329	0K20053A	RK 1M 1/10W J*
R330	0K20024A	RK 3.3K 1/10W J*
R331	0K20032A	RK 15K 1/10W J*
R332	0K20053A	RK 1M 1/10W J*
R333	0K20061A	RK 1K 1/8W J*
R334	0K20044A	RK 100K 1/10W J*
R335,336	0K20018A	RK 1K 1/10W J*
R337,338	0K20018A	RK 1K 1/10W J*
R339,340	0K20040A	RK 47K 1/10W J*
R341,342	0K20040A	RK 47K 1/10W J*
R343,344	0K20030A	RK 10K 1/10W J*
R345,346	0K20030A	RK 10K 1/10W J*
R347,348	0K20030A	RK 10K 1/10W J*
R349,350	0K20030A	RK 10K 1/10W J*
R351,352	0K20014A	RK 470 1/10W J*
R353,354	0K20014A	RK 470 1/10W J*
R355,356	0K20040A	RK 47K 1/10W J*
R357,358	0K20040A	RK 47K 1/10W J*
R359,360	0K20018A	RK 1K 1/10W J*
R361,362	0K20018A	RK 1K 1/10W J*
R363,364	0K20053A	RK 1M 1/10W J*
R365,366	0K20053A	RK 1M 1/10W J*
R367	0K20030A	RK 10K 1/10W J*
R372	0K20030A	RK 10K 1/10W J*
R373	0K20031A	RK 12K 1/10W J*
R374,375	0K20053A	RK 1M 1/10W J*
R376,377	0K20038A	RK 33K 1/10W J*
R378,379	0K20018A	RK 1K 1/10W J*
R380,381	0K20005A	RK 100 1/10W J*
R382,383	0K20040A	RK 47K 1/10W J*
R384	0K20005A	RK 100 1/10W J*
R385,386	0K20040A	RK 47K 1/10W J*
R387,388	0K20040A	RK 47K 1/10W J*
R389,390	0K20040A	RK 47K 1/10W J*
R391	0K20037A	RK 30K 1/10W J*
R392	0K20030A	RK 10K 1/10W J*
R393	0K20018A	RK 1K 1/10W J*
R601	0K20025A	RK 3.9K 1/10W J*
R602	0K20022A	RK 2.2K 1/10W J*
R603	0K20025A	RK 3.9K 1/10W J*
R604	0K20022A	RK 2.2K 1/10W J*
R606	0K20040A	RK 47K 1/10W J*
R607	0K20040A	RK 47K 1/10W J*
R608	0K20022A	RK 2.2K 1/10W J*
R609	0K20030A	RK 10K 1/10W J*
R610	0K20061A	RK 1K 1/8W J*
R611	0K20065A	RK 4.7K 1/8W J*
R612	0K20035A	RK 22K 1/10W J*
R614	0K20040A	RK 47K 1/10W J*
R615	0K20022A	RK 2.2K 1/10W J*
R616	0K20072A	RK 27K 1/8W J*
R617	0K20030A	RK 10K 1/10W J*
R618	0K20033A	RK 18K 1/10W J*
R619	0K20040A	RK 47K 1/10W J*
R620,621	0K20040A	RK 47K 1/10W J*
R622	0K20040A	RK 47K 1/10W J*
R623	0K20069A	RK 12K 1/8W J* (USA, CAN, OTR)
R624	0K20063A	RK 2.2K 1/8W J* (USA, CAN, OTR)
R625	0K20082A	RK 1K 1/4W J* (USA, CAN, OTR)
R626	0K20061A	RK 1K 1/8W J* (USA, CAN, OTR)
R627	0K20030A	RK 10K 1/10W J* (USA, CAN, OTR)
R628	0K20044A	RK 100K 1/10W J* (USA, CAN, OTR)
R629	0K20061A	RK 1K 1/8W J* (USA, CAN, OTR)
R630	0K20056A	RK 180 1/8W J* (USA, CAN, OTR)
R631	0K20026A	RK 4.7K 1/10W J* (USA, CAN, OTR)
R632	0K20059A	RK 470 1/8W J*
R633	0K20030A	RK 10K 1/10W J*
R634	0K20068A	RK 10K 1/8W J*
R635	0K20073A	RK 47K 1/8W J*
R637	0K20073A	RK 47K 1/8W J*
R638	0K20040A	RK 47K 1/10W J*
R639	0K20035A	RK 22K 1/10W J*
R640	0K20049A	RK 220K 1/10W J*
R641	0K20026A	RK 4.7K 1/10W J*
R643	0K20035A	RK 22K 1/10W J*
R645	0K20040A	RK 47K 1/10W J*
R646	0K20061A	RK 1K 1/8W J*
R647	0K20061A	RK 1K 1/8W J*
R648	0K20040A	RK 47K 1/10W J*
R649	0K20040A	RK 47K 1/10W J*
R650	0K20040A	RK 47K 1/10W J*
R651	0K20005A	RK 100 1/10W J*
R652	0K20044A	RK 100K 1/10W J*
R653	0K20028A	RK 6.8K 1/10W J*
R654	0K20034A	RK 20K 1/10W J*
R655	0K20026A	RK 4.7K 1/10W J*
R656	0K20018A	RK 1K 1/10W J*
R657	0K20026A	RK 4.7K 1/10W J*
R658	0K20026A	RK 4.7K 1/10W J*
R659	0K20021A	RK 2K 1/10W J*
R660	0K20021A	RK 2K 1/10W J*
R661	0K20020A	RK 1.5K 1/10W J*
R662	0K20019A	RK 1.2K 1/10W J* (USA, CAN)
R662	0K20031A	RK 12K 1/10W J* (JPN)
R663	0K20018A	RK 1K 1/10W J*
R664	0K20018A	RK 1K 1/10W J*
R665	0K20026A	RK 4.7K 1/10W J*
R666	0K20064A	RK 3.3K 1/8W J*
R667	0K20058A	RK 390 1/8W J*
R668,669	0K20018A	RK 1K 1/10W J*
R670	0K20018A	RK 1K 1/10W J*
R671	0K20022A	RK 2.2K 1/10W J*
R672	0K20065A	RK 4.7K 1/8W J*
R673	0K20055A	RK 100 1/8W J*
R674	0K20022A	RK 2.2K 1/10W J*
R675	0K20011A	RK 270 1/10W J*
R676	0K20018A	RK 1K 1/10W J*
R677	0K20023A	RK 2.7K 1/10W J*
R678	0K20024A	RK 3.3K 1/10W J*
R679	0K20035A	RK 22K 1/10W J*
R680,681	0K20064A	RK 3.3K 1/8W J*
R682,683	0K20064A	RK 3.3K 1/8W J*
R684	0K20064A	RK 3.3K 1/8W J*
R685	0B05622A	RK 2.2K 1/4W J
J001-074	0K20102A	RK 0 1/8W J*
C001	0K40031A	CC 470P 50V J*
C002	0K40055A	CC 0.1 25V M*
C003	0K40040A	CC 0.01 50V J*
C004	0K40049A	CC 0.1 16V K*
C005	0K40049A	CC 0.1 16V K*
C006	0K40049A	CC 0.1 16V K*
C007	0K40034A	CC 2200P 50V J*
C303	0K40093A	CE 100 10V
C304	0K40095A	CE 10 16V
C305	0K40095A	CE 10 16V
C306	0K40056A	CC 0.22 50V Z*
C307	0K40093A	CE 100 10V
C308	0K40095A	CE 10 16V
C309	0K40049A	CC 0.1 16V K*
C310,311	0K40047A	CC 0.056 25V K*
C312	0K40035A	CC 2700P 50V J*
C313	0K40027A	CC 100P 50V J*
C314	0K40049A	CC 0.1 16V K*
C315	0K40095A	CE 10 16V
C316	0K40042A	CC 0.022 50V J*
C317	0K40095A	CE 10 16V
C318	0K40035A	CC 2700P 50V J*
C319,320	0K40047A	CC 0.056 25V K*
C321	0K40027A	CC 100P 50V J*
C322	0K40049A	CC 0.1 16V K*
C323	0K40095A	CE 10 16V
C324	0K40049A	CC 0.1 16V K*
C325	0K40093A	CE 100 10V
C326	0K40040A	CC 0.01 50V J*
C327	0K40056A	CC 0.22 50V Z*
C332,333	0K40095A	CE 10 16V
C334,335	0K40095A	CE 10 16V
C336,337	0K40098A	CE 10 16V
C338,339	0K40036A	CC 3300P 50V J*
C340,341	0K40042A	CC 0.022 50V J*
C342,343	0K40095A	CE 10 16V
C344	0K40093A	CE 100 10V
C601	0K40097A	CE 220 16V
C602	0K40049A	CC 0.1 16V K*
C603	0K40009A	CC 15P 50V J*
C606	0K40009A	CC 15P 50V J*
C607	0K40108A	CE 1 50V
C608	0K40105A	CE 0.1 50V

Schematic Ref. No.	Part No.	Description
C609	0K40089A	CE 22 10V
C610	0K40032A	CC 1000P 50V J*
C611	0K40101A	CE 47 16V
C612	0K40055A	CC 0.1 25V M*
C613	0K40092A	CE 47 10V
C614	0K40092A	CE 47 10V
C615	0K40098A	CE 10 16V
C616	0K40093A	CE 100 10V
C617	0K40096A	CE 100 16V
C618	0K40098A	CE 10 16V
C619	0K40040A	CC 0.01 50V J*
C620	0K40010A	CC 18P 50V J*
C621	0K40010A	CC 18P 50V J*
C622	0K40027A	CC 100P 50V J*
C623	0K40027A	CC 100P 50V J*
C624	0K40063A	CC 8200P 50V K
C625	0K40059A	CC 0.15 50V J
C626	0K40123A	CE 2.2 35V (BP)
C627	0K40042A	CC 0.022 50V J*
C628	0K40051A	CC 0.01 50V K*
C629,630	0K40093A	CE 100 10V
C631	0K40093A	CE 100 10V
C632	0K40098A	CE 10 16V
	BG09270A	Tuner Pack (USA, CAN, OTR) (1)
	BA09269A	Tuner Pack (JPN) (1)
	0K80001A	4P Connector A Ass'y (1)
	0K80016A	2P T-Post (1)
	0K80019A	5P S-Post (2)
	0K80020A	6P S-Post (1)
	0K80021A	7P S-Post (1)
	0K80023A	16P Connector (1)
	0K80025A	4P S-Post (USA, CAN, EP) (1)
	0K80032A	13P S-Post (1)
	0K80033A	14P S-Connector (1)
	0E03831A	PTM3x10 + Pan (2)
	0J07384A	CN Holder B (1)
	0J07400A	Earth Plate (2)

(2) For EP

Schematic Ref. No.	Part No.	Description
	BA09292A	**Main P.C.B. Ass'y (EP)**
	0B61188A	Main P.C.B.
IC001	0K10004A	IC BA15218F*
IC301	0K10012A	IC LC72140*
IC401	0K10002A	IC uPC1346GS*
IC402	0K10015A	IC LC7070NM*
IC403	0K10023A	IC LA2000
IC501	0K10022A	IC LA3161
IC502	0K10024A	IC AN6262N
IC503	0K10001A	IC CXA1101*
IC601	0K10003A	IC BU4052BF*
IC602	0K10004A	IC BA15218F*
IC603	0K10016A	IC LC7537AN*
IC604	0K10004A	IC BA15218F*
IC605,606	0K10004A	IC BA15218F*
IC607,608	0K10004A	IC BA15218F*
IC901	0K10018A	IC uPD75518GF1713*
IC902	0K10013A	IC M51957BFP*
IC903	0K10021A	IC X24LC16S14I*
Q251,252	0K10043A	TR DTC314TK*
Q301	0K10053A	TR 2SK583-Q
Q501	0K10034A	TR 2SC2412K-R*
Q502,503	0K10041A	TR DTC114TK*
Q506	0K10047A	TR 2SB1237-Q
Q507	0K10041A	TR DTC114TK*
Q508,509	0K10047A	TR 2SB1237-Q
Q510,511	0K10041A	TR DTC114TK*
Q601	0K10042A	TR DTC114EK*
Q602	0K10042A	TR DTC114EK*
Q603	0K10043A	TR DTC314TK*
Q604	0K10043A	TR DTC314TK*
Q605	0K10043A	TR DTC314TK*
Q606	0K10043A	TR DTC314TK*
Q801	0K10031A	TR 2SB1188-Q*
Q802	0K10029A	TR 2SA1037-R*
Q803	0K10039A	TR DTA124EK*
Q804	0K10042A	TR DTC114EK*
Q805	0K10030A	TR 2SA1036K-R*
Q806	0K10041A	TR DTC114TK*
Q807	0K10030A	TR 2SA1036K-R*
Q810	0K10049A	TR 2SB1398-Q
Q811	0K10030A	TR 2SA1036K-R*
Q812	0K10032A	TR 2SD1758 F5-Q*
Q813	0K10047A	TR 2SB1237-Q
Q814,815	0K10042A	TR DTC114EK*
Q816	0K10050A	TR 2SD1858-Q
Q817	0K10030A	TR 2SA1036K-R*
Q818	0K10036A	TR 2SD1898-Q*
Q819,820	0K10030A	TR 2SA1036K-R*
Q821	0K10042A	TR DTC114EK*
Q822	0K10034A	TR 2SC2412K-R*
Q825	0K10047A	TR 2SB1237-Q
Q827,828	0K10041A	TR DTC114TK*
Q831	0K10040A	TR DTA114TK*
Q901	0K10034A	TR 2SC2412K-R*
D001,002	0K10074A	ZD MTZJ7.5C
D003	0K10055A	SID DA119*
D004,005	0K10074A	ZD MTZJ7.5C
D006,007	0K10074A	ZD MTZJ7.5C
D008	0K10074A	ZD MTZJ7.5C
D251,252	0K10055A	SID DA119*
D501,502	0K10066A	SID 1SR139-200
D601	0K10071A	ZD MTZJ4.7B
D602	0K10071A	ZD MTZJ4.7B
D801	0K10066A	SID 1SR139-200
D802	0K10065A	SID 1SS133
D803,804	0K10066A	SID 1SR139-200
D805,806	0K10066A	SID 1SR139-200
D807	0K10070A	ZD MTZJ5.1B
D810	0K10056A	SID DAN217*
D811	0K10071A	ZD MTZJ4.7B
D813	0K10072A	ZD MTZJ6.2C
D814,815	0K10065A	SID 1SS133
D816	0K10065A	SID 1SS133
D817	0K10067A	ZD MTZJ6.8A
D818	0K10068A	ZD MTZJ10A
D819,820	0K10055A	SID DA119*
D821	0K10073A	ZD MTZJ6.8C
D822	0K10068A	ZD MTZJ10A
D826	0K10057A	SID DAN202K*
D827,828	0K10066A	SID 1SR139-200
D830,831	0K10055A	SID DA119*
D901,902	0K10061A	SID HZM7.5NB2*
X301	0K90013A	X'tal 7.2MHz
X401	0K90011A	X'tal 4.332MHz
X402	0K90014A	X'tal CSA4.00MG
X901	0K90012A	X'tal 4.19430MHz
L801	0K50001A	RF Transformer 05570B
L802	0K50002A	RF Transformer TR2315227C
RT401	0K20089A	Semi VR 22K
RT501,502	0K20090A	Semi VR 47K
R001	0K20005A	RK 100 1/10W J*
R002	0K20005A	RK 100 1/10W J*
R003	0K20040A	RK 47K 1/10W J*
R004	0K20040A	RK 47K 1/10W J*
R005	0K20030A	RK 10K 1/10W J*
R006	0K20040A	RK 47K 1/10W J*
R007	0K20040A	RK 47K 1/10W J*
R008	0K20037A	RK 30K 1/10W J*
R009	0K20018A	RK 1K 1/10W J*
R010	0K20018A	RK 1K 1/10W J*
R011	0K20018A	RK 1K 1/10W J*
R012,013	0K20040A	RK 47K 1/10W J*
R014,015	0K20040A	RK 47K 1/10W J*
R016	0K20005A	RK 100 1/10W J*
R252	0K20030A	RK 10K 1/10W J*
R253	0K20067A	RK 8.2K 1/8W J*
R254	0K20028A	RK 6.8K 1/10W J*
R255	0K20067A	RK 8.2K 1/8W J*
R256	0K20028A	RK 6.8K 1/10W J*
R257	0K20030A	RK 10K 1/10W J*
R258	0K20049A	RK 220K 1/10W J*
R301	0K20005A	RK 100 1/10W J*
R302	0K20022A	RK 2.2K 1/10W J*
R303	0K20023A	RK 2.7K 1/10W J*
R304	0K20024A	RK 3.3K 1/10W J*
R305	0K20035A	RK 22K 1/10W J*
R306	0K20011A	RK 270 1/10W J*
R307	0K20018A	RK 1K 1/10W J*
R308	0K20026A	RK 4.7K 1/10W J*
R401	0K20035A	RK 22K 1/10W J*
R402	0K20073A	RK 47K 1/8W J*
R403	0K20040A	RK 47K 1/10W J*
R404,405	0K20044A	RK 100K 1/10W J*
R406	0K20049A	RK 220K 1/10W J*
R407	0K20001A	RK 10 1/10W J*
R409	0K20051A	RK 330K 1/10W J*
R501,502	0K20035A	RK 22K 1/10W J*
R503	0K20030A	RK 10K 1/10W J*
R504	0K20071A	RK 22K 1/8W J*
R505	0K20044A	RK 100K 1/10W J*
R506	0K20026A	RK 4.7K 1/10W J*
R507	0K20004A	RK 47 1/10W J*
R508	0K20022A	RK 2.2K 1/10W J*
R509	0K20023A	RK 2.7K 1/10W J*
R510	0K20053A	RK 1M 1/10W J*
R511	0K20022A	RK 2.2K 1/10W J*
R512	0K20026A	RK 4.7K 1/10W J*
R513	0K20044A	RK 100K 1/10W J*
R514	0K20004A	RK 47 1/10W J*
R515	0K20023A	RK 2.7K 1/10W J*
R516	0K20053A	RK 1M 1/10W J*
R517,518	0K20030A	RK 10K 1/10W J*
R519	0K20049A	RK 220K 1/10W J*
R520	0K20010A	RK 220 1/10W J*
R521	0K20020A	RK 1.5K 1/10W J*
R522	0K20030A	RK 10K 1/10W J*
R523	0K20033A	RK 18K 1/10W J*
R524	0K20026A	RK 4.7K 1/10W J*
R525	0K20033A	RK 18K 1/10W J*
R526	0K20026A	RK 4.7K 1/10W J*
R527	0K20030A	RK 10K 1/10W J*
R528	0K20039A	RK 43K 1/10W J*
R529	0K20030A	RK 10K 1/10W J*
R530	0K20061A	RK 1K 1/8W J*
R531,532	0K20020A	RK 1.5K 1/10W J*
R533,534	0K20018A	RK 1K 1/10W J*
R535	0K20030A	RK 10K 1/10W J*
R536	0K20058A	RK 390 1/8W J*
R602	0K20042A	RK 68K 1/10W J*
R603	0K20042A	RK 68K 1/10W J*
R604	0K20044A	RK 100K 1/10W J*
R605	0K20032A	RK 15K 1/10W J*
R606	0K20044A	RK 100K 1/10W J*
R607	0K20030A	RK 10K 1/10W J*
R608	0K20042A	RK 68K 1/10W J*
R609,610	0K20040A	RK 47K 1/10W J*
R611	0K20032A	RK 15K 1/10W J*
R612	0K20044A	RK 100K 1/10W J*
R614	0K20042A	RK 68K 1/10W J*
R615	0K20030A	RK 10K 1/10W J*
R616	0K20042A	RK 68K 1/10W J*
R617	0K20042A	RK 68K 1/10W J*
R618	0K20044A	RK 100K 1/10W J*
R619	0K20030A	RK 10K 1/10W J*
R620	0K20030A	RK 10K 1/10W J*
R621	0K20061A	RK 1K 1/8W J*
R622	0K20053A	RK 1M 1/10W J*
R623	0K20032A	RK 15K 1/10W J*
R624	0K20024A	RK 3.3K 1/10W J*
R625	0K20053A	RK 1M 1/10W J*
R626	0K20063A	RK 2.2K 1/8W J*
R627	0K20063A	RK 2.2K 1/8W J*
R628	0K20063A	RK 2.2K 1/8W J*
R629	0K20076A	RK 1M 1/8W J*
R630	0K20024A	RK 3.3K 1/10W J*
R631	0K20032A	RK 15K 1/10W J*
R632	0K20053A	RK 1M 1/10W J*
R633	0K20061A	RK 1K 1/8W J*
R634	0K20044A	RK 100K 1/10W J*
R635	0K20018A	RK 1K 1/10W J*
R636,637	0K20018A	RK 1K 1/10W J*
R638	0K20018A	RK 1K 1/10W J*
R639,640	0K20040A	RK 47K 1/10W J*
R641,642	0K20040A	RK 47K 1/10W J*
R643	0K20030A	RK 10K 1/10W J*
R644,645	0K20030A	RK 10K 1/10W J*
R646	0K20030A	RK 10K 1/10W J*
R647	0K20030A	RK 10K 1/10W J*
R648	0K20030A	RK 10K 1/10W J*
R649	0K20030A	RK 10K 1/10W J*
R650	0K20030A	RK 10K 1/10W J*
R651,652	0K20014A	RK 470 1/10W J*
R653	0K20014A	RK 470 1/10W J*
R654	0K20014A	RK 470 1/10W J*
R655	0K20040A	RK 47K 1/10W J*
R656	0K20040A	RK 47K 1/10W J*
R657	0K20040A	RK 47K 1/10W J*
R658	0K20040A	RK 47K 1/10W J*
R659	0K20018A	RK 1K 1/10W J*
R660	0K20018A	RK 1K 1/10W J*
R661	0K20018A	RK 1K 1/10W J*
R662	0K20018A	RK 1K 1/10W J*
R663	0K20053A	RK 1M 1/10W J*
R664	0K20053A	RK 1M 1/10W J*
R665,666	0K20053A	RK 1M 1/10W J*
R667	0K20030A	RK 10K 1/10W J*
R672	0K20030A	RK 10K 1/10W J*
R673	0K20031A	RK 12K 1/10W J*
R801,802	0K20025A	RK 3.9K 1/10W J*
R803	0K20041A	RK 56K 1/10W J*
R804,805	0K20081A	RK 2.2K 1/4W J*
R808,809	0K20040A	RK 47K 1/10W J*
R810	0K20022A	RK 2.2K 1/10W J*
R811	0K20030A	RK 10K 1/10W J*
R812	0K20026A	RK 4.7K 1/10W J*
R813	0K20018A	RK 1K 1/10W J*
R814	0K20022A	RK 2.2K 1/10W J*
R815	0K20031A	RK 12K 1/10W J*
R816	0K20008A	RK 180 1/10W J*
R817	0K20026A	RK 4.7K 1/10W J*
R818	0K20061A	RK 1K 1/8W J*
R819	0K20059A	RK 470 1/8W J*
R820	0K20061A	RK 1K 1/8W J*
R821	0K20063A	RK 2.2K 1/8W J*
R822	0K20060A	RK 680 1/8W J*
R823	0K20030A	RK 10K 1/10W J*
R824	0K20018A	RK 1K 1/10W J*
R825	0K20026A	RK 4.7K 1/10W J*
R826	0K20058A	RK 390 1/8W J*
R827,828	0K20018A	RK 1K 1/10W J*
R829	0K20018A	RK 1K 1/10W J*
R830	0K20022A	RK 2.2K 1/10W J*
R833	0K20036A	RK 27K 1/10W J*
R834,835	0K20030A	RK 10K 1/10W J*
R836	0K20018A	RK 1K 1/10W J*
R837	0K20030A	RK 10K 1/10W J*
R838	0K20064A	RK 3.3K 1/8W J*
R839	0K20044A	RK 100K 1/10W J*
R840	0K20018A	RK 1K 1/10W J*
R843	0K20030A	RK 10K 1/10W J*
R844	0K20026A	RK 4.7K 1/10W J*
R901,902	0K20030A	RK 10K 1/10W J*
R903,904	0K20040A	RK 47K 1/10W J*
R905,906	0K20040A	RK 47K 1/10W J*
R908,909	0K20035A	RK 22K 1/10W J*
R910,911	0K20035A	RK 22K 1/10W J*
R913,914	0K20035A	RK 22K 1/10W J*
R916	0K20071A	RK 22K 1/8W J*
R918	0K20035A	RK 22K 1/10W J*
R920,921	0K20018A	RK 1K 1/10W J*
R922	0K20018A	RK 1K 1/10W J*
R923	0K20040A	RK 47K 1/10W J*
R924	0K20075A	RK 100K 1/8W J*
R925,926	0K20040A	RK 47K 1/10W J*
R927	0K20018A	RK 1K 1/10W J*
R928	0K20028A	RK 6.8K 1/10W J*
R932	0K20034A	RK 20K 1/10W J*
R933,934	0K20040A	RK 47K 1/10W J*
R935,936	0K20040A	RK 47K 1/10W J*
R938	0K20026A	RK 4.7K 1/10W J*
R939	0K20018A	RK 1K 1/10W J*
R940,941	0K20026A	RK 4.7K 1/10W J*
R942	0K20040A	RK 47K 1/10W J*
R943	0K20068A	RK 10K 1/8W J*
R944	0K20030A	RK 10K 1/10W J*
R945,946	0K20040A	RK 47K 1/10W J*
R947	0K20073A	RK 47K 1/8W J*
R948	0K20040A	RK 47K 1/10W J*
R949	0K20073A	RK 47K 1/8W J*
R951,952	0K20035A	RK 22K 1/10W J*
R954,955	0K20021A	RK 2K 1/10W J*
R957	0K20101A	RK 0 1/10W J*
R958	0K20049A	RK 220K 1/10W J*
R959	0K20040A	RK 47K 1/10W J*
J001-044	0K20102A	RK 0 1/8W J*
J050-054	0K20101A	RK 0 1/10W J*
C001	0K40055A	CC 0.1 25V M*
C002	0K40042A	CC 0.022 50V J*
C003	0K40042A	CC 0.022 50V J*
C004	0K40075A	CE 10 16V
C005	0K40075A	CE 10 16V
C006	0K40074A	CE 100 10V
C104	0B41944A	CC 1000P 50V K
C251	0K40040A	CC 0.01 50V J*
C252,253	0K40055A	CC 0.1 25V M*
C254	0K40046A	CC 0.047 50V J*
C255	0K40081A	CE 0.1 50V
C257	0K40034A	CC 2200P 50V J*
C258,259	0K40036A	CC 3300P 50V J*
C260,261	0K40083A	CE 1 50V
C262,263	0K40083A	CE 1 50V
C301,302	0K40010A	CC 18P 50V J*
C303	0K40040A	CC 0.01 50V J*
C304	0K40077A	CE 10 16V
C305	0K40027A	CC 100P 50V J*
C306	0K40027A	CC 100P 50V J*
C307	0K40122A	CE 2.2 35V
C308	0K40059A	CC 0.15 50V J
C310	0K40042A	CC 0.022 50V J*
C311	0K40063A	CC 8200P 50V K
C402,403	0K40011A	CC 22P 50V J*
C404	0K40037A	CC 4700P 50V J*
C405	0K40046A	CC 0.047 50V J*
C406	0K40042A	CC 0.022 50V J*
C407	0K40084A	CE 2.2 50V
C408,409	0K40036A	CC 3300P 50V J*
C410	0K40037A	CC 4700P 50V J*
C412,413	0K40013A	CC 33P 50V J*
C414	0K40046A	CC 0.047 50V J*
C415	0K40074A	CE 100 10V
C416	0K40083A	CE 1 50V
C417	0K40046A	CC 0.047 50V J*
C418	0K40080A	CE 4.7 35V
C419	0K40077A	CE 10 16V
C501,502	0K40032A	CC 1000P 50V J*
C503	0K40046A	CC 0.047 50V J*
C504,505	0K40083A	CE 1 50V
C506	0K40028A	CC 150P 50V J*
C507	0K40044A	CC 0.033 50V J*
C508	0K40074A	CE 100 10V
C509,510	0K40083A	CE 1 50V
C511	0K40044A	CC 0.033 50V J*
C512	0K40028A	CC 150P 50V J*
C513	0K40074A	CE 100 10V
C514	0K40042A	CC 0.022 50V J*
C515	0K40121A	CE 220 16V
C516	0K40042A	CC 0.022 50V J*
C518,519	0K40083A	CE 1 50V
C520	0K40007A	CC 10P 50V J*
C521	0K40077A	CE 10 16V
C522	0K40044A	CC 0.033 50V J*
C523	0K40074A	CE 100 10V
C524	0K40083A	CE 1 50V
C525	0K40074A	CE 100 10V
C526	0K40073A	CE 47 10V
C527	0K40080A	CE 4.7 35V
C528,529	0K40131A	CT 0.68 50V
C530	0K40080A	CE 4.7 35V
C531	0K40083A	CE 1 50V
C532	0K40074A	CE 100 10V
C601	0K40011A	CC 22P 50V J*
C602	0K40011A	CC 22P 50V J*
C603	0K40074A	CE 100 10V
C604,605	0K40075A	CE 10 16V
C606	0K40056A	CC 0.22 50V Z*
C607	0K40074A	CE 100 10V
C608	0K40075A	CE 10 16V
C609	0K40049A	CC 0.1 16V K*
C610,611	0K40047A	CC 0.056 25V K*
C612	0K40035A	CC 2700P 50V J*

Schematic Ref. No.	Part No.	Description
C613	0K40027A	CC 100P 50V J*
C614	0K40055A	CC 0.1 25V M*
C615	0K40075A	CE 10 16V
C616	0K40042A	CC 0.022 50V J*
C617	0K40075A	CE 10 16V
C618	0K40035A	CC 2700P 50V J*
C619	0K40047A	CC 0.056 25V K*
C620	0K40047A	CC 0.056 25V K*
C621	0K40027A	CC 100P 50V J*
C622	0K40049A	CC 0.1 16V K*
C623	0K40075A	CE 10 16V
C624	0K40049A	CC 0.1 16V K*
C625	0K40074A	CE 100 10V
C626	0K40040A	CC 0.01 50V J*
C627	0K40056A	CC 0.22 50V Z*
C632	0K40075A	CE 10 16V
C633,634	0K40075A	CE 10 16V
C635	0K40075A	CE 10 16V
C801	0K40085A	CE 2.3 50V
C802	0K40043A	CC 0.027 50V J*
C803	0K40081A	CE 0.1 50V
C804	0K40097A	CE 220 16V
C805	0K40049A	CC 0.1 16V K*
C806	0K40082A	CE 0.47 50V
C807	0K40072A	CE 22 10V
C808	0K40078A	CE 47 16V
C809	0K40055A	CC 0.1 25V M*
C810,811	0K40073A	CE 47 10V
C812	0K40077A	CE 10 16V
C813	0K40074A	CE 100 10V
C814	0K40076A	CE 100 16V
C901	0K40032A	CC 1000P 50V J*
C902,903	0K40046A	CC 0.047 50V J*
C904	0K40046A	CC 0.047 50V J*
C905	0K40083A	CE 1 50V
C906A	0K40051A	CC 0.01 50V K*
C906B	0K40009A	CC 15P 50V J*
C907	0K40009A	CC 15P 50V J*
SA201	0K10092A	Surge Absorber DSPM
B801	0K90017A	Battery CR2032-HE4
	BG09266A	Tuner Ass'y AV-T806 (1)
	0K80004A	9P Connector Ass'y EP (1)
	0K80018A	5P S-Post (1)
	0K80032A	13P S-Post (1)
	0K80033A	14P S-Connector (1)
	0J07400A	Earth Plate (2)

8. IC BLOCK DIAGRAMS

IC601 µPD75517GF (System Controller)

Pin No.	Signal Name	I/O	Function
1	–	–	–
2	AVref	I	A/D converter reference voltage input.
3	VDD	I	Power supply.
4	VDD	I	Power supply.
5	AVref	O	A/D converter reference voltage output. Outputs L in Halt or Stop mode.
6	LOCAL	O	Outputs H during seeking in Local mode.
7	FM	O	Outputs H during FM reception.
8	MONO	O	Outputs L during monaural reception.
9	$\overline{\mathrm{STIN}}$	I	Input for Stereo indicator. L: Stereo
10	$\overline{\mathrm{FF/REW}}$	I	FF/REW detection input.
11	F/R	I	Tape playback direction detection input. H: FWD
12	$\overline{\mathrm{TAPEIN}}$	I	Cassette tape presence detection input. L: Cassette is present.
13	MOTOR	–	–
14	TAPE+B	O	Power supply for tape section. H: Tape mode.
15	P.ANT	O	Power antenna ON output. Outputs H while this IC is in operating mode. Not used. (EP)
16	LCDOFF	O	LCD OFF control output. L: LCD OFF
17	LCDBUSY	I	Busy input from LCD driver IC. L: Busy
18	LCDOUT	O	Serial output to LCD driver IC.
19	LCDCLK	O	Serial clock to LCD driver IC.
20	LCDSTB	O	Strobe signal to LCD driver IC.
21	DOLBY	I	Fixed at L.
22	CLDCK	I	Clock function select input. L: Clock enabled.
23	AMS	I	Automatic Music Search function select input. L: AMS enabled.
24	CD	I	CDC function select input. H: CDC function disabled.
25	CE	O	Serial input/output timing to PLL IC (LC72140).
26	CL	O	Serial clock to PLL IC (LC72140).
27	DO	I	Serial data input from PLL IC (LC72140).
28	DI	O	Serial data output to PLL IC (LC72140).
29	–	–	–
30	–	–	–
31	–	–	–
32	FRP	O	Release button LED display control signal. L: LED lights up.
33	GND	–	GND.

Pin No.	Signal Name	I/O	Function
34	MIXIN	I	Not used.
35	AUXIN	I	Not used.
36	–	–	–
37	STOP	I	Input to set this IC to Stop mode. L: Stop mode (Memory contents are retained.)
38	CDCCHK	I/O	Resets CDC. Detects connection/disconnection of CDC. Outputs L for 2ms at ACC ON.
39	SCL	O	Serial clock for EEPROM. (EP)
40	SDA	I/O	Serial data input/output for electronic volume (LC7537). Serial data input/output for electronic volume (LC7537) and EEPROM. (EP)
41	CE	O	Chip select output to electronic volume (LC7537).
42	CLK	O	Serial clock to electronic volume (LC7537).
43	CDSEL	O	Determines the data sending timing to the CDC.
44	REMOTE	O	Outputs H after LCD driver is cleared at power ON.
45	BEEP	O	Beep/alarm sound control output.
46	CDMUTE	I	Mute input from CDC.
47	RDSIN	I	Serial data input from RDS IC (LC7070). (EP)
48	RDSCLK	I	Clock input for serial data RDSIN. (EP)
49	RDSSTA	I	Serial data start input from RDS IC (LC7070). (EP)
50	CDCIN	I	Serial data input from CDC.
51	NC	–	–
52	CDCLKIN	I	Serial clock input from CDC.
53	HALT	I	Halt (Stop) mode input.
54	GND	–	–
55	NC	I	–
56	NC	I	–
57	GND	–	–
58 59	XTAL	I	4.194304MHz crystal is connected.
60	RESET	I	System reset input.
61	CDOUT	O	Serial data output to CDC.
62	CDCLKOUT	O	Serial clock output to CDC.
63	VOLA	O	Input select signals.
64	VOLB	O	
65	MUTE	O	Mute output.
66	DOLBY	O	Dolby NR B ON/OFF control output. L: Dolby NR B ON
67	AMS	O	Automatic Music Search output. Outputs H when music is detected.
68	MTL	O	Eq. circuit ON/OFF control. In Tape mode, outputs H if metal tape is used.
69	RDS	I	Fixed at L. (EP)
70	AMST	I	Not used.
71	NC	–	–

	AUX	CD	TAPE	RADIO
VOLA	H	L	H	L
VOLB	H	H	L	L

Pin No.	Signal Name	I/O	Function
72	NC	–	–
73	GND	–	GND
74	ANALOG2	I	Switch input (analog port).
75	ANALOG1	I	Switch input (analog port).
76	RDS	I	RDS signal detection input. L: RDS signal. (EP)
77	AREA	I	Area setting input (analog input).
78	VOICE	I	FM voice detection input. H: Voice detected. (EP)
79	SMETER	I	Receiving field strength comparison input. (EP)
80	SD	I	Station detection input.

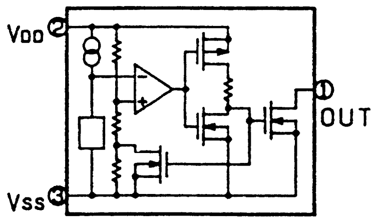


Fig. 8.1 Voltage Sensor S80737AND1

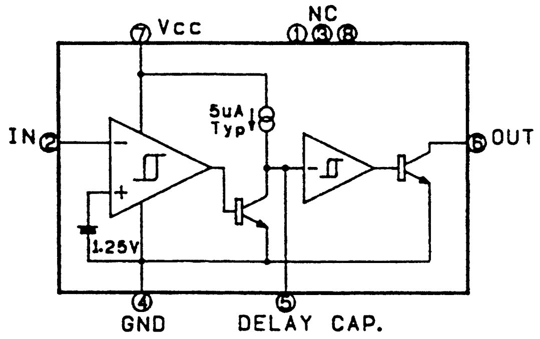


Fig. 8.2 Reset IC M51957BFP

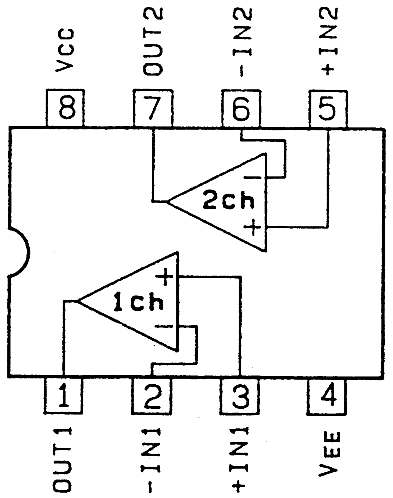


Fig. 8.3 Operational Amp. BA15218F

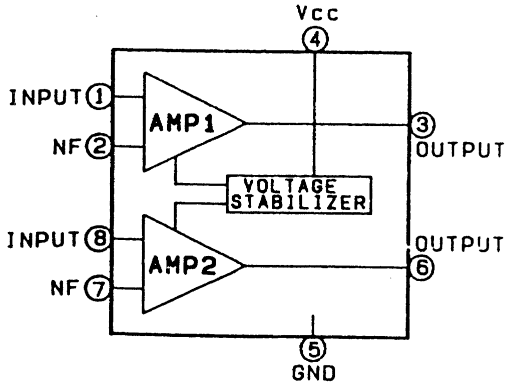
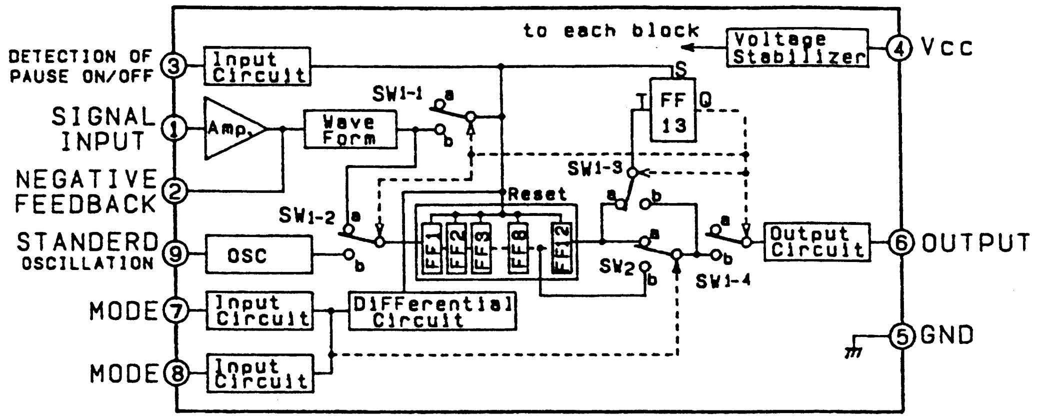
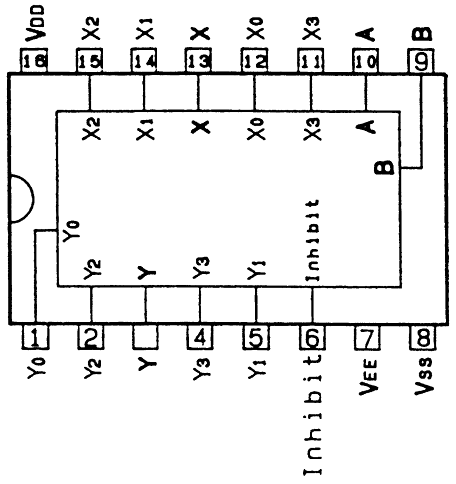


Fig. 8.4 Pre-Amp. LA3161



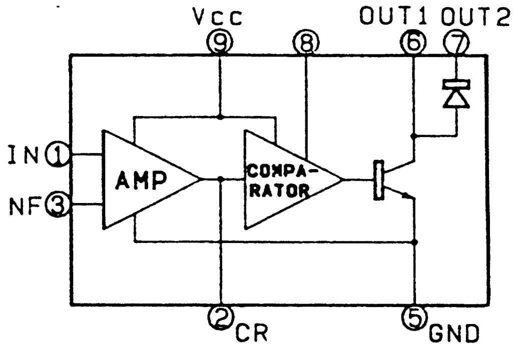
DETECTION OF PAUSE ON/OFF
SIGNAL INPUT
NEGATIVE FEEDBACK
STANDERD OSCILLATION
MODE
MODE
Input Circuit
Amp.
Wave Form
OSC
Input Circuit
Differential Circuit
Input Circuit
to each block
Voltage Stabilizer
Vcc
SW1-1
SW1-2
SW1-3
SW1-4
SW2
Reset
FF 13
FF1
FF2
FF3
FF8
FF12
Output Circuit
OUTPUT
GND

Fig. 8.5 Music Sensor AN6262N



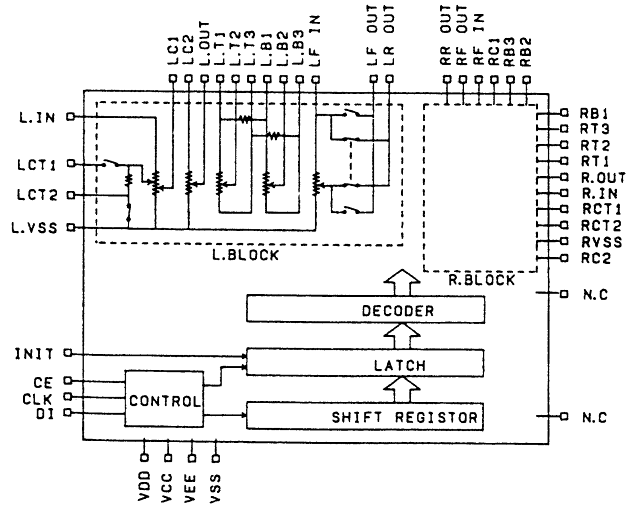
VDD
X2
X1
X
X0
X3
A
B
Y0
Y2
Y
Y3
Y1
Inhibit
VEE
Vss

Fig. 8.6 Analog Switch BU4052BF



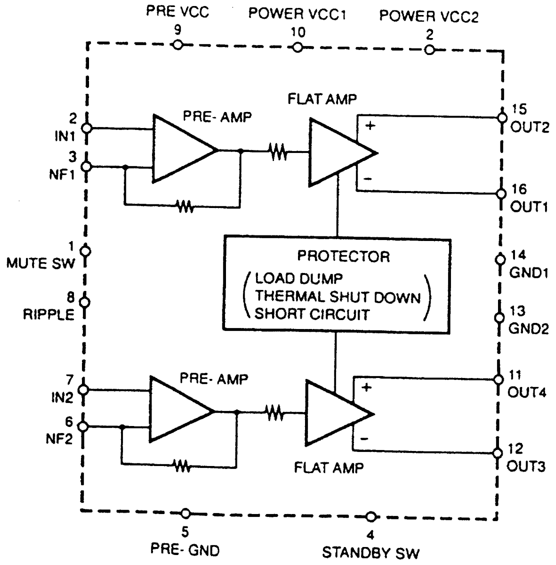
Vcc
OUT1
OUT2
IN
NF
AMP
COMPA-RATOR
CR
GND

Fig. 8.7 Audio Level Sensor LA2000



LC1
LC2
L.OUT
L.T1
L.T2
L.T3
L.B1
L.B2
L.B3
LF IN
LF OUT
LR OUT
RR OUT
RF OUT
RF IN
RC1
RB3
RB2
L.IN
LCT1
LCT2
L.VSS
L.BLOCK
R.BLOCK
RB1
RT3
RT2
RT1
R.OUT
R.IN
RCT1
RCT2
RVSS
RC2
N.C
DECODER
LATCH
SHIFT REGISTOR
CONTROL
INIT
CE
CLK
DI
N.C
VDD
VCC
VEE
VSS

Fig. 8.8 Volume Controller LC7537AN



PRE VCC 9
POWER VCC1 10
POWER VCC2 2
IN1 2
NF1 3
PRE-AMP
FLAT AMP
15 OUT2
16 OUT1
MUTE SW 1
RIPPLE 8
PROTECTOR
LOAD DUMP
THERMAL SHUT DOWN
SHORT CIRCUIT
14 GND1
13 GND2
IN2 7
NF2 6
PRE-AMP
FLAT AMP
11 OUT4
12 OUT3
5 PRE-GND
4 STANDBY SW

Fig. 8.9 Power Amp. with Protector TA8215L

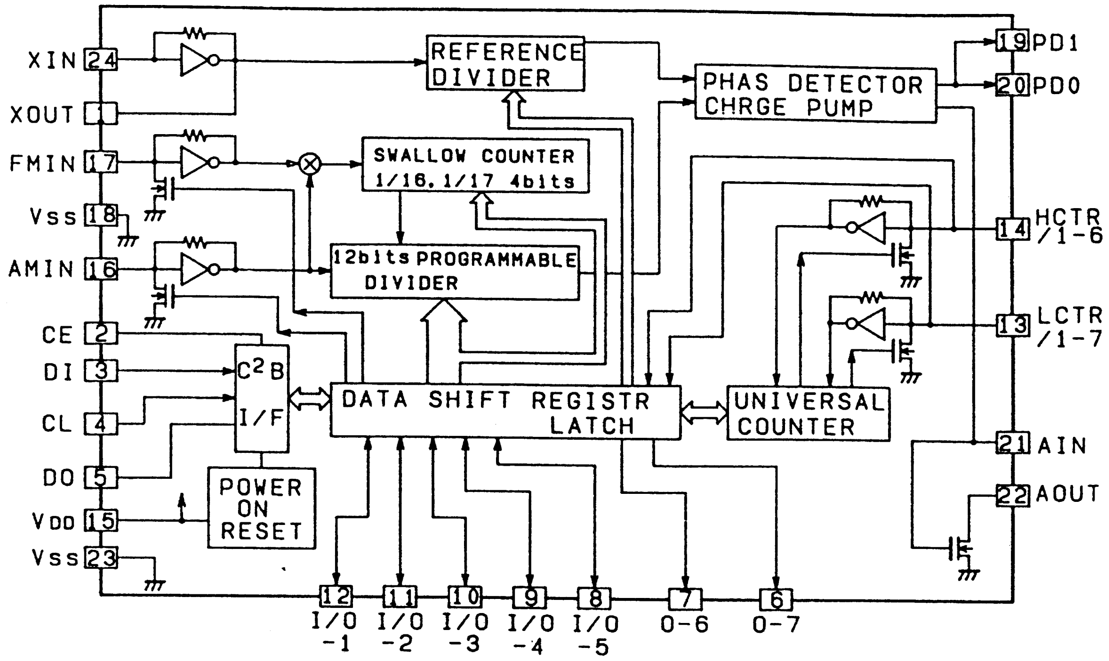

XIN 24
XOUT 1
FMIN 17
Vss 18
AMIN 16
CE 2
DI 3
CL 4
DO 5
VDD 15
Vss 23
REFERENCE DIVIDER
PHAS DETECTOR CHRGE PUMP
SWALLOW COUNTER 1/16.1/17 4bits
12bits PROGRAMMABLE DIVIDER
C2B I/F
POWER ON RESET
DATA SHIFT REGISTR LATCH
UNIVERSAL COUNTER
19 PD1
20 PD0
14 HCTR /1-6
13 LCTR /1-7
21 AIN
22 AOUT
12 I/O -1
11 I/O -2
10 I/O -3
9 I/O -4
8 I/O -5
7 O-6
6 O-7

Fig. 8.10 PLL IC LC72140

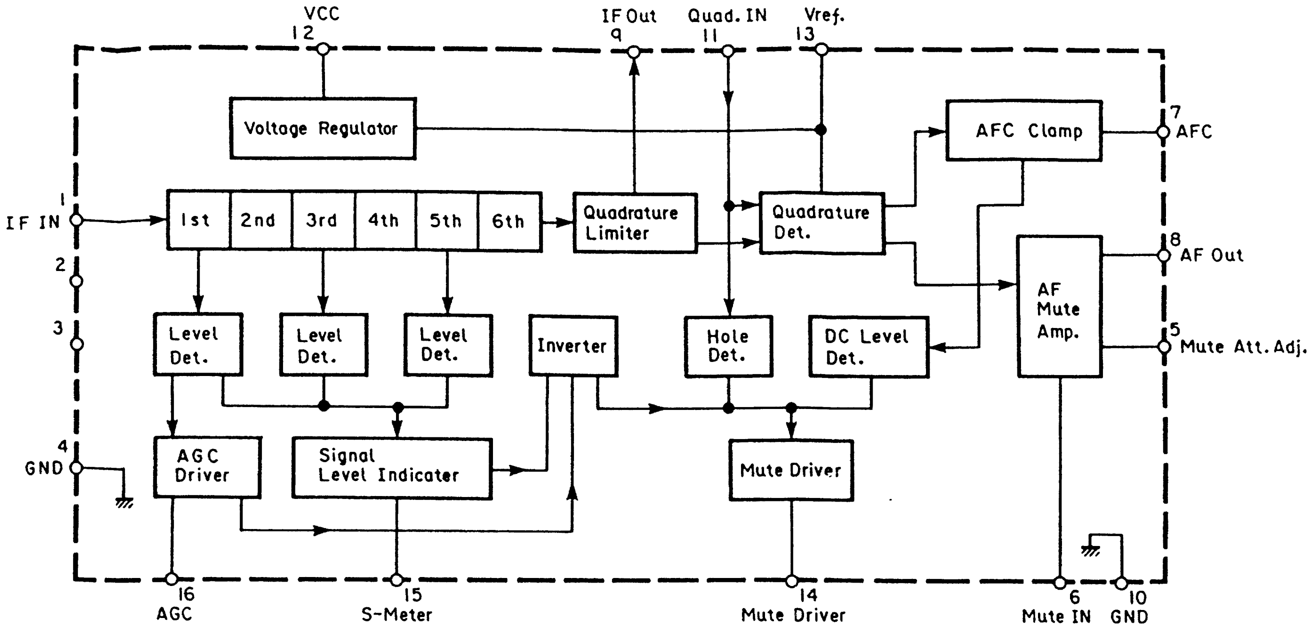

VCC 12
IF Out 9
Quad. IN 11
Vref. 13
Voltage Regulator
AFC Clamp
7 AFC
1 IF IN
2
3
4 GND
1st
2nd
3rd
4th
5th
6th
Quadrature Limiter
Quadrature Det.
Level Det.
Level Det.
Level Det.
Inverter
Hole Det.
DC Level Det.
AF Mute Amp.
8 AF Out
5 Mute Att. Adj.
AGC Driver
Signal Level Indicater
Mute Driver
16 AGC
15 S-Meter
14 Mute Driver
6 Mute IN
10 GND

Fig. 8.13 FM IF Amp. LC1140

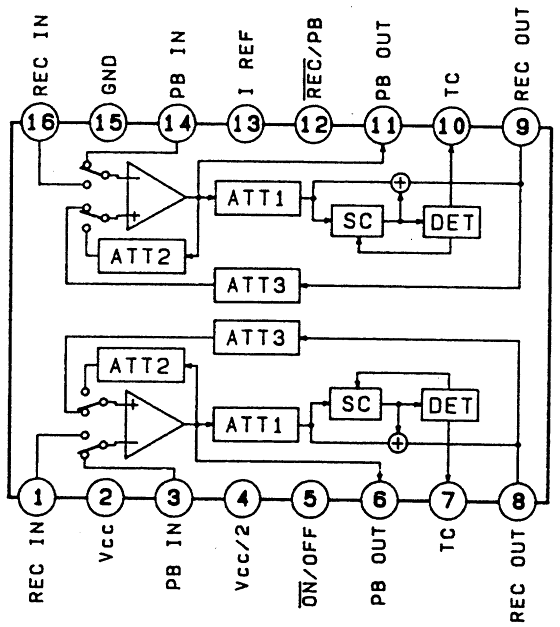

REC IN 16
GND 15
PB IN 14
I REF 13
REC/PB 12
PB OUT 11
TC 10
REC OUT 9
ATT1
SC
DET
ATT2
ATT3
ATT3
ATT2
ATT1
SC
DET
1 REC IN
2 Vcc
3 PB IN
4 Vcc/2
5 ON/OFF
6 PB OUT
7 TC
8 REC OUT

Fig. 8.11 Dolby NR B IC CXA1101

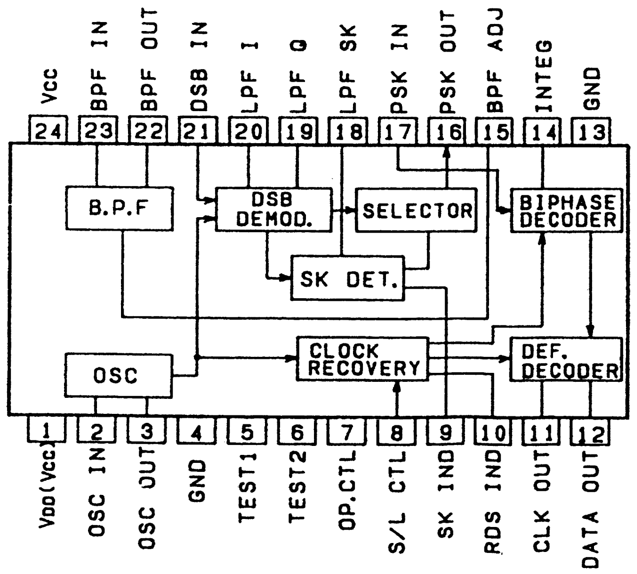

Vcc 24
BPF IN 23
BPF OUT 22
DSB IN 21
LPF I 20
LPF Q 19
LPF SK 18
PSK IN 17
PSK OUT 16
BPF ADJ 15
INTEG 14
GND 13
B.P.F
DSB DEMOD.
SELECTOR
BIPHASE DECODER
SK DET.
OSC
CLOCK RECOVERY
DEF. DECODER
1 VDD(Vcc)
2 OSC IN
3 OSC OUT
4 GND
5 TEST1
6 TEST2
7 OP.CTL
8 S/L CTL
9 SK IND
10 RDS IND
11 CLK OUT
12 DATA OUT

Fig. 8.12 RDS Decoder μPC1346GS

9. BLOCK DIAGRAMS

(1) For USA, CAN, OTR, and JPN

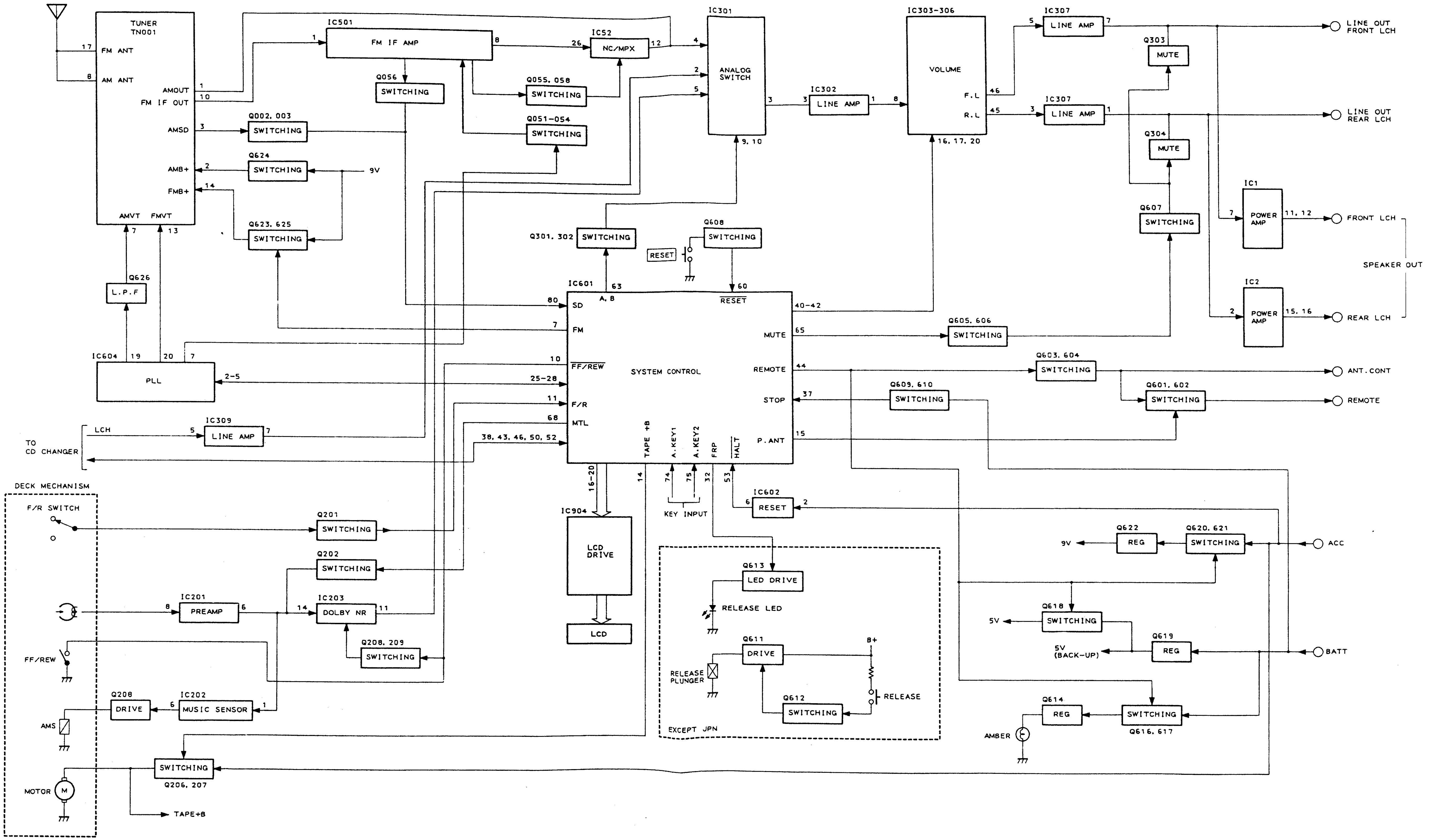

TUNER
TN001
FM ANT
AM ANT
AMOUT
FM IF OUT
AMSD
AMB+
FMB+
AMVT
FMVT
IC501
FM IF AMP
Q056
SWITCHING
IC52
NC/MPX
Q055, 058
SWITCHING
Q051-054
SWITCHING
Q002, 003
SWITCHING
Q624
SWITCHING
9V
Q623, 625
SWITCHING
Q626
L.P.F
IC604
PLL
IC309
LINE AMP
LCH
TO
CD CHANGER
IC301
ANALOG
SWITCH
IC302
LINE AMP
IC303-306
VOLUME
F.L
R.L
IC307
LINE AMP
Q303
MUTE
Q304
MUTE
Q607
SWITCHING
IC1
POWER
AMP
IC2
POWER
AMP
LINE OUT
FRONT LCH
LINE OUT
REAR LCH
FRONT LCH
SPEAKER OUT
REAR LCH
Q301, 302
SWITCHING
Q608
SWITCHING
RESET
IC601
SYSTEM CONTROL
SD
FM
FF/REW
F/R
MTL
A, B
RESET
MUTE
REMOTE
STOP
P.ANT
TAPE +B
A.KEY1
A.KEY2
FRP
HALT
KEY INPUT
Q605, 606
SWITCHING
Q603, 604
SWITCHING
ANT.CONT
Q601, 602
SWITCHING
REMOTE
Q609, 610
SWITCHING
IC602
RESET
IC904
LCD
DRIVE
LCD
Q613
LED DRIVE
RELEASE LED
Q611
DRIVE
B+
RELEASE
PLUNGER
Q612
SWITCHING
RELEASE
EXCEPT JPN
Q622
REG
9V
Q620, 621
SWITCHING
ACC
Q618
SWITCHING
5V
Q619
REG
5V
(BACK-UP)
BATT
Q614
REG
SWITCHING
Q616, 617
AMBER
DECK MECHANISM
F/R SWITCH
Q201
SWITCHING
Q202
SWITCHING
IC201
PREAMP
IC203
DOLBY NR
Q208, 209
SWITCHING
FF/REW
Q208
DRIVE
IC202
MUSIC SENSOR
AMS
SWITCHING
Q206, 207
MOTOR
M
TAPE+B
17
8
1
10
3
2
14
7
13
19
20
7
2-5
5
7
1
8
26
12
4
2
5
3
3
1
8
46
45
5
7
3
1
9, 10
16, 17, 20
7
11, 12
2
15, 16
63
60
80
7
10
25-28
11
68
38, 43, 46, 50, 52
40-42
65
44
37
15
16-20
14
74
75
32
53
6
2
8
6
14
11
6
1

Fig. 9.1 For USA, CAN, OTR, and JPN

(2) For EP

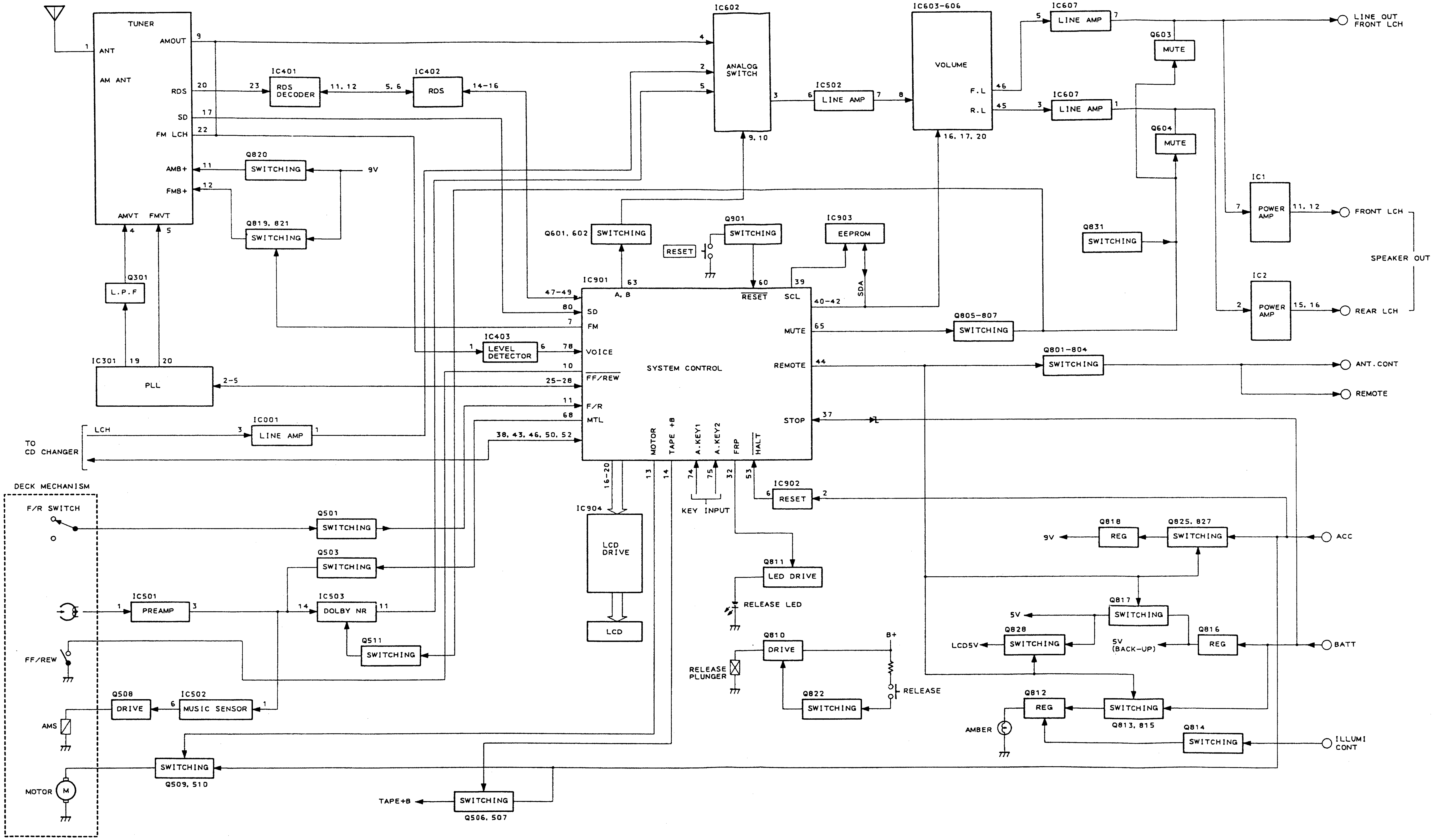

TUNER
ANT
AM ANT
AMOUT
RDS
SD
FM LCH
AMB+
FMB+
AMVT
FMVT
IC401
RDS DECODER
IC402
RDS
Q820
SWITCHING
9V
Q819, 821
SWITCHING
Q301
L.P.F
IC301
PLL
IC602
ANALOG SWITCH
IC502
LINE AMP
IC603-606
VOLUME
F.L
R.L
IC607
LINE AMP
Q603
MUTE
Q604
MUTE
LINE OUT FRONT LCH
IC1
POWER AMP
IC2
POWER AMP
FRONT LCH
REAR LCH
SPEAKER OUT
Q831
SWITCHING
Q601, 602
SWITCHING
Q901
SWITCHING
RESET
IC903
EEPROM
SDA
IC901
SYSTEM CONTROL
A, B
RESET
SCL
SD
FM
VOICE
FF/REW
F/R
MTL
MUTE
REMOTE
STOP
MOTOR
TAPE +B
A.KEY1
A.KEY2
FRP
HALT
IC403
LEVEL DETECTOR
Q805-807
SWITCHING
Q801-804
SWITCHING
ANT.CONT
REMOTE
IC001
LINE AMP
LCH
TO CD CHANGER
DECK MECHANISM
F/R SWITCH
FF/REW
AMS
MOTOR
M
Q501
SWITCHING
Q503
SWITCHING
IC501
PREAMP
IC503
DOLBY NR
Q511
SWITCHING
Q508
DRIVE
IC502
MUSIC SENSOR
SWITCHING
Q509, 510
TAPE+B
SWITCHING
Q506, 507
IC904
LCD DRIVE
LCD
KEY INPUT
IC902
RESET
Q811
LED DRIVE
RELEASE LED
Q810
DRIVE
RELEASE PLUNGER
B+
RELEASE
Q822
SWITCHING
Q818
REG
9V
Q825, 827
SWITCHING
ACC
Q817
SWITCHING
5V
Q828
SWITCHING
LCD5V
Q816
REG
5V (BACK-UP)
BATT
Q812
REG
AMBER
SWITCHING
Q813, 815
Q814
SWITCHING
ILLUMI CONT
1
9
20
23
11, 12
5, 6
14-16
17
22
11
12
4
5
19
20
2-5
4
2
5
3
6
7
8
9, 10
46
45
5
7
3
1
16, 17, 20
7
11, 12
2
15, 16
63
60
39
40-42
47-49
80
7
1
6
78
10
25-28
11
68
38, 43, 46, 50, 52
65
44
37
3
1
16-20
13
14
74
75
32
53
6
2
1
3
14
11
6
1

Fig. 9.2 For EP

10. WIRING DIAGRAMS

(1) For USA, CAN, OTR, and JPN

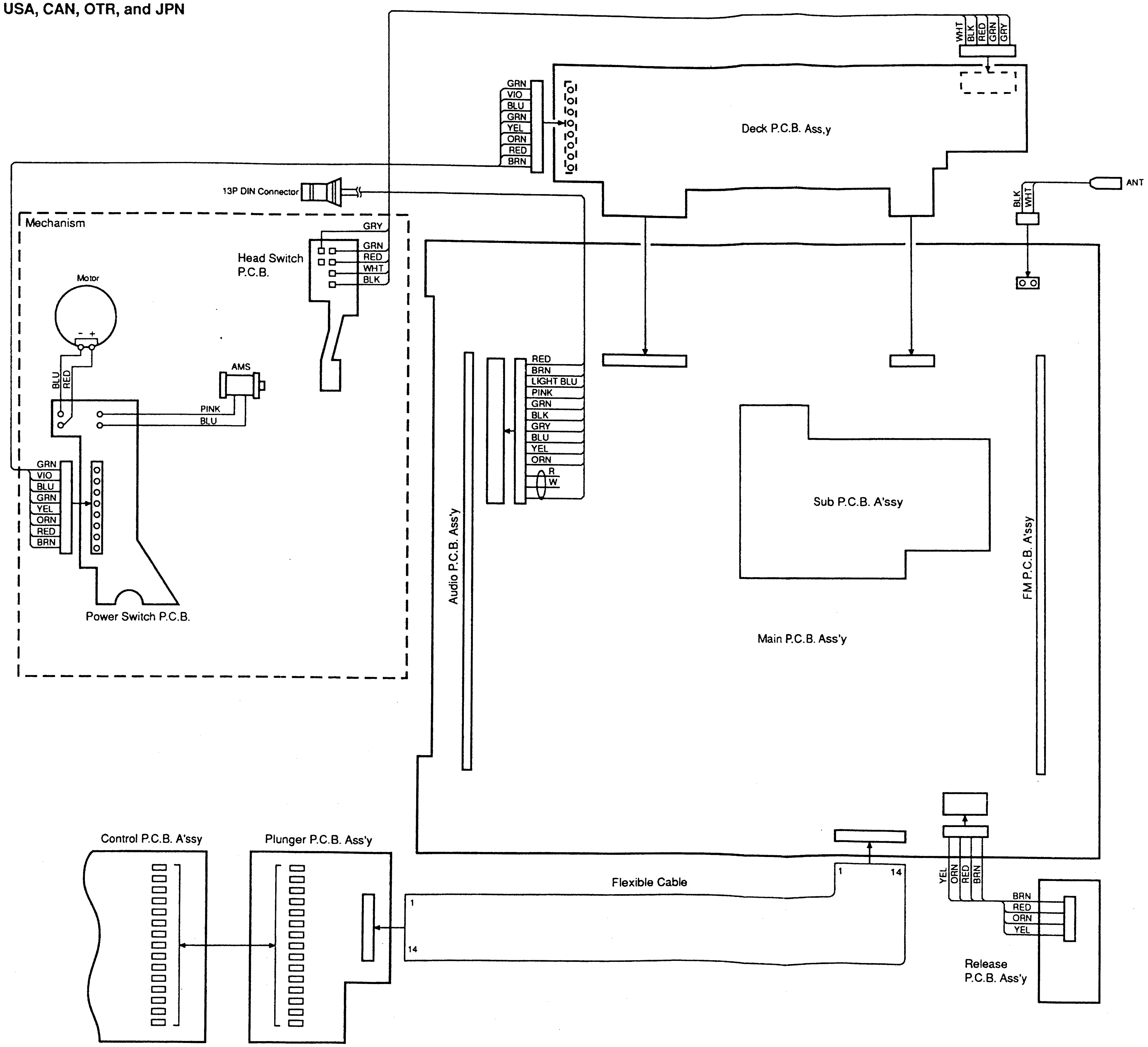

WHT
BLK
RED
GRN
GRY
GRN
VIO
BLU
GRN
YEL
ORN
RED
BRN
Deck P.C.B. Ass,y
ANT
BLK
WHT
13P DIN Connector
Mechanism
GRY
Head Switch P.C.B.
GRN
RED
WHT
BLK
Motor
- +
BLU
RED
AMS
PINK
BLU
GRN
VIO
BLU
GRN
YEL
ORN
RED
BRN
Power Switch P.C.B.
RED
BRN
LIGHT BLU
PINK
GRN
BLK
GRY
BLU
YEL
ORN
R
W
Audio P.C.B. Ass'y
Sub P.C.B. A'ssy
FM P.C.B. A'ssy
Main P.C.B. Ass'y
Control P.C.B. A'ssy
Plunger P.C.B. Ass'y
Flexible Cable
1
14
1
14
YEL
ORN
RED
BRN
BRN
RED
ORN
YEL
Release P.C.B. Ass'y

Fig. 10.1 For USA, CAN, OTR, and JPN

NOTES: 1. Table of wire colors

BRN — Brown
RED — Red
ORN — Orange
YEL — Yellow
GRN — Green
BLU — Blue
VIO — Violet
GRY — Gray
WHT — White
BLK — Black

2. Component side view of the P.C.B. is illustrated unless otherwise specified.

(2) For EP

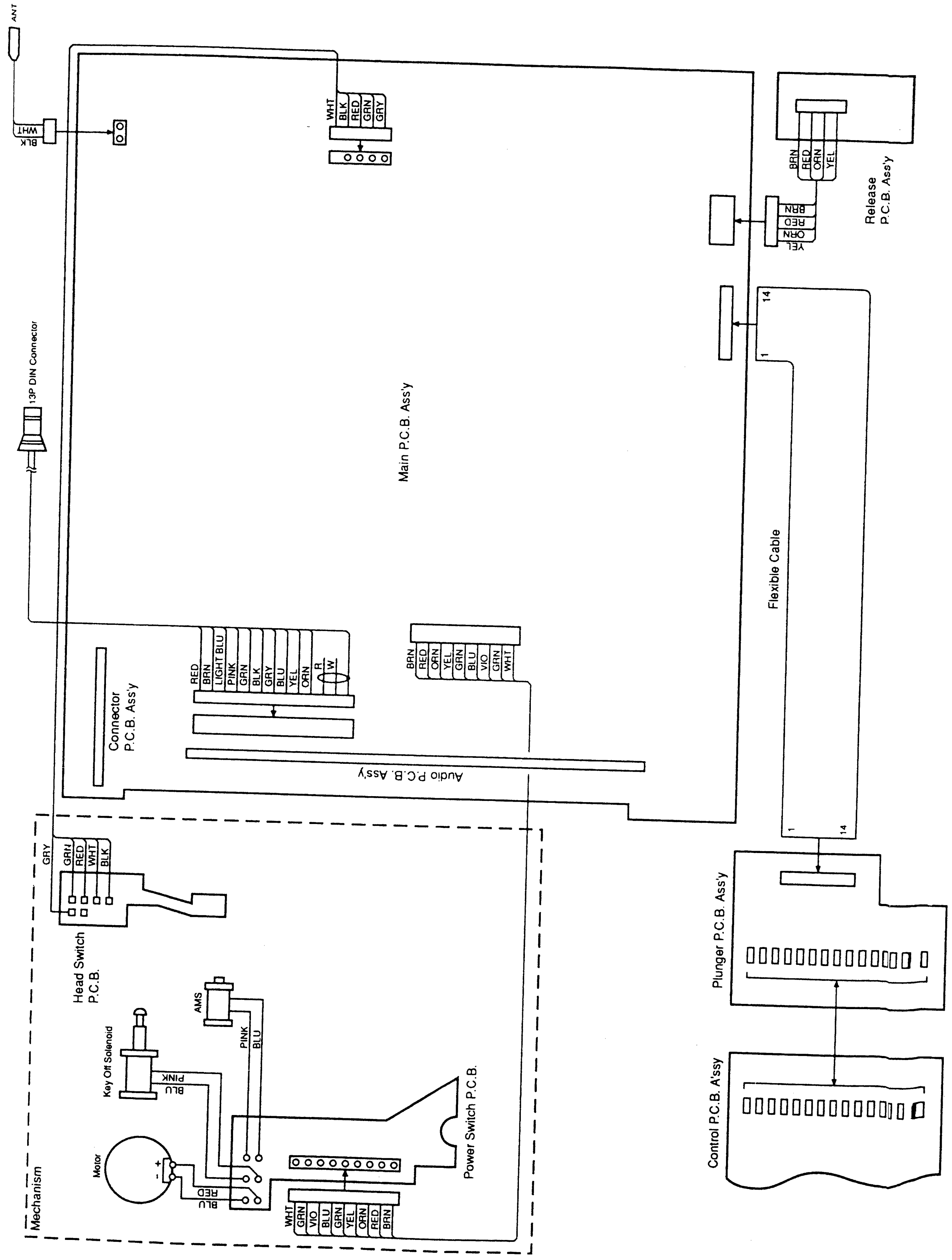

ANT
WHT
BLK
WHT
BLK
RED
GRN
GRY
Release P.C.B. Ass'y
BRN
RED
ORN
YEL
14
1
13P DIN Connector
Main P.C.B. Ass'y
Flexible Cable
RED
BRN
LIGHT BLU
PINK
GRN
BLK
GRY
BLU
YEL
ORN
R
W
BRN
RED
ORN
YEL
GRN
BLU
VIO
GRN
WHT
Connector P.C.B. Ass'y
Audio P.C.B. Ass'y
GRY
GRN
RED
WHT
BLK
Head Switch P.C.B.
Plunger P.C.B. Ass'y
Control P.C.B. A'ssy
AMS
PINK
BLU
Key Off Solenoid
PINK
BLU
Power Switch P.C.B.
Motor
+
-
RED
BLU
WHT
GRN
VIO
BLU
GRN
YEL
ORN
RED
BRN
Mechanism

Fig. 10.2 For EP

SPECIFICATIONS

•Cassette Deck Section

Tape speed	1-7/8 ips. (4.8 cm/sec.)
Wow and Flutter	Less than 0.1% WTD RMS
Frequency Response	30-14,000 Hz
Signal to Noise Ratio	Better than 60 dB (Dolby B-type NR On, metal tape)
Fast-wind Time	Approx. 95 seconds (with C-60 cassette)

•Tuner Section

- FM -

Frequency Range	87.5-107.9 MHz in 200 kHz steps [USA, CAN] 87.5-108 MHz in 50 kHz steps [EP] 87.5-108 MHz in 100 kHz steps [OTR]
Sensitivity	Less than 15 dBf (IHF)
50-dB Quieting Sensitivity	Less than 20 dBf (Mono)
Signal to Noise Ratio	Better than 65 dB (Mono)
Stereo Separation	Better than 25 dB
Antenna Input	75 ohms (Unbalanced)

- AM (MW) -

Frequency Range	520-1,710 kHz in 10 kHz steps [USA, CAN] 531-1,602 kHz in 9 kHz steps [EP, OTR]
Sensitivity	32 dBµ

•FM RDS Section

Boost Level	Less than 150 mV
TP Seek Stop Level	22 dBµ
PI Seek Stop Level	22 dBµ

•Amplifier Section

Maximum Power Output	20W × 4 (4 ohms)
Total Harmonic Distortion	0.1% (4 ohms, 1 kHz, 5W × 4)
Frequency Response	15-30,000 Hz ±1 dB
CDC Input Level/Impedance	0.3 V/10 kohms
Output Level	0.9 V
Tone Controls	
Bass	20 Hz ±12 dB
Treble	20 kHz ±12 dB
Loudness	20 Hz +12 dB (Volume level 50)

•General

Power Source	14.4V DC, Negative ground, (10.8-15.6V allowable)
Current Consumption	Max. 7A (At rated power output)
Dimensions*	190 (W) × 59 (H) × 168 (D) mm 7-1/2(W) × 2-5/16 (H) × 6-5/8 (D) inches
Approximate Weight	1.8 kg / 3 lbs. 15 oz.

*: Dimensions do not include protruding parts. Height is the panel height without feet.

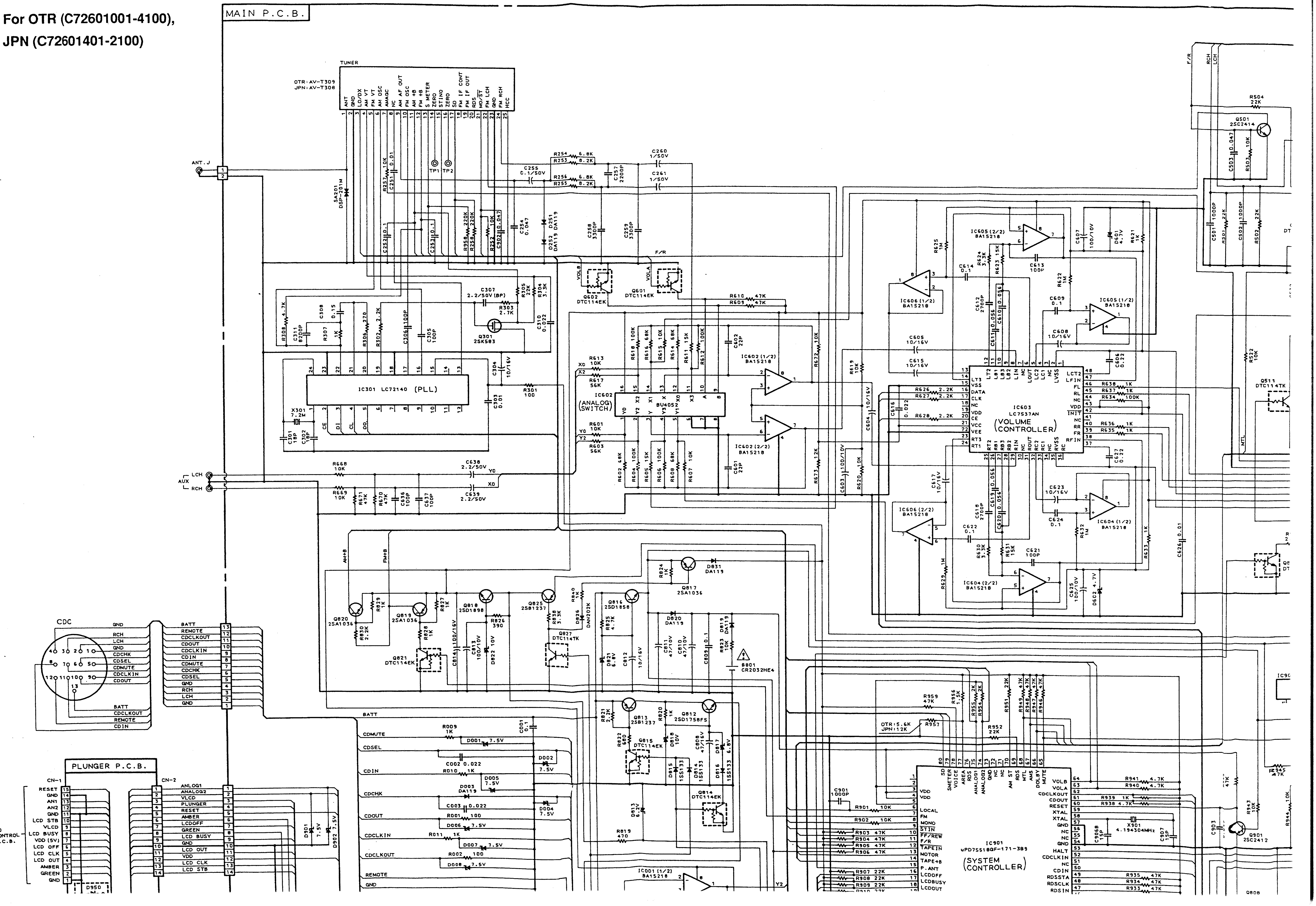
- Specifications and design are subject to change for further improvement without notice.
- Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
- "DOLBY" and the double-D-symbol DD are trademarks of Dolby Laboratories Licensing Corporation.

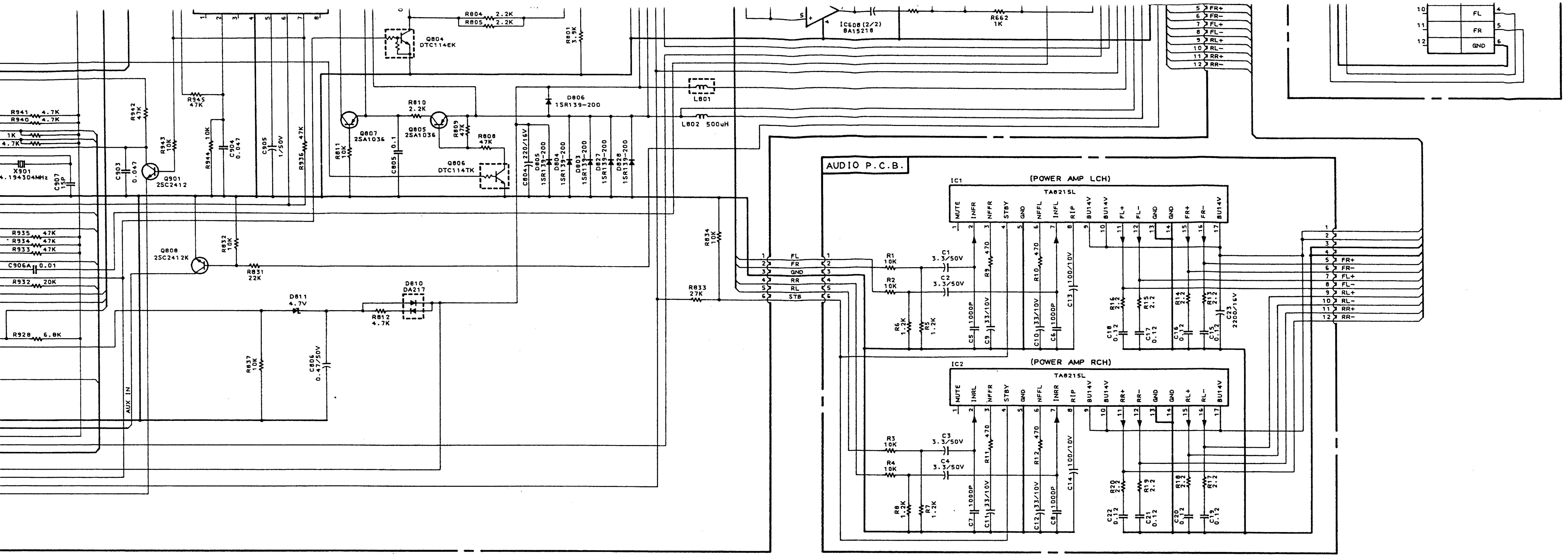
Nakamichi Corporation 1-153 Suzukicho, Kodaira, Tokyo 187 Phone: (0423) 42-1115
Nakamichi America Corporation 955 Francisco St., Torrance, CA 90502 Phone: (310) 538-8150
Nakamichi Canada 276 South West, Marine Drive, Vancouver, B.C. V5X 2R4 Phone: (604) 324-7535
Nakamichi Australia Unit 12 620-632 Botany Road, Alexandria, N.S.W. 2015 Phone: (02) 667-0811
Nakamichi GmbH Praunheimer Landstraße 32 D-60488 Frankfurt/Main Phone: (069) 7682021 (Office), 7682025 (Service)

0Q06177A

G-940810A Printed in Japan

For OTR (C72601001-4100),
JPN (C72601401-2100)

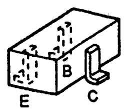

MAIN P.C.B.
TUNER
OTR: AV-T309
JPN: AV-T308
ANT. J
SA201 DSP-201M
TP1
TP2
IC301 LC72140 (PLL)
X301 7.2M
Q301 2SK583
IC602 (ANALOG) (SWITCH) BU4052
IC602 (1/2) BA15218
IC602 (2/2) BA15218
Q602 DTC114EK
Q601 DTC114EK
VOLB
VOLA
F/R
IC603 LC7537AN (VOLUME CONTROLLER)
IC605 (2/2) BA15218
IC605 (1/2) BA15218
IC606 (1/2) BA15218
IC606 (2/2) BA15218
IC604 (1/2) BA15218
IC604 (2/2) BA15218
Q501 2SC2414
Q511 DTC114TK
AUX
LCH
RCH
Q820 2SA1036
Q819 2SA1036
Q818 2SD1898
Q825 2SB1237
Q816 2SD1858
Q817 2SA1036
Q821 DTC114EK
Q827 DTC114TK
D831 DA119
D820 DA119
B801 CR2032HE4
Q813 2SB1237
Q812 2SD1758F5
Q815 DTC114EK
Q814 DTC114EK
AM+B
FM+B
CDC
GND
RCH
LCH
CDCHK
CDSEL
CDMUTE
CDCLKIN
CDOUT
BATT
REMOTE
CDCLKOUT
CDIN
PLUNGER P.C.B.
CN-1
CN-2
RESET
AN1
AN2
LCD STB
VLCD
LCD BUSY
VDD (5V)
LCD OFF
LCD CLK
LCD OUT
AMBER
GREEN
ANALOG1
ANALOG2
PLUNGER
LCDOFF
D950
CONTROL P.C.B.
D901 7.5V
D902 7.5V
IC001 (1/2) BA15218
IC901 uPD75518GF-171-3B9 (SYSTEM CONTROLLER)
X901 4.194304MHz
Q901 2SC2412
OTR: 5.6K JPN: 12K
R957


R941 4.7K
R940 4.7K
1K
4.7K
X901
4.194304MHz
C907 15P
C903 0.047
Q901
2SC2412
R942 47K
R943 10K
R945 47K
R944 10K
C904 0.047
C905 1/50V
R936 47K
Q804
DTC114EK
R804 2.2K
R805 2.2K
R801 3.9K
R810 2.2K
Q807
2SA1036
Q805
2SA1036
R811 10K
C805 0.1
R809 47K
R808 47K
Q806
DTC114TK
C804 220/16V
D805 1SR139-200
D804 1SR139-200
D803 1SR139-200
D827 1SR139-200
D828 1SR139-200
D806
1SR139-200
L801
L802 500uH
IC608 (2/2)
BA15218
R662
1K
R935 47K
R934 47K
R933 47K
C906A 0.01
R932 20K
R928 6.8K
Q808
2SC2412K
R832 10K
R831
22K
D811
4.7V
D810
DA217
R812
4.7K
R837 10K
C806 0.47/50V
AUX IN
R834 10K
R833
27K
FL
FR
GND
RR
RL
STB
AUDIO P.C.B.
IC1
(POWER AMP LCH)
TA8215L
MUTE
INFR
NFFR
STBY
GND
NFFL
INFL
RIP
BU14V
FL+
FL-
FR+
FR-
R1 10K
R2 10K
C1 3.3/50V
C2 3.3/50V
R6 1.2K
R5 1.2K
C5 1000P
C9 33/10V
R9 470
R10 470
C10 33/10V
C6 1000P
C13 100/10V
R16 2.2
R15 2.2
R14 2.2
R13 2.2
C18 0.12
C17 0.12
C16 0.12
C15 0.12
C23 2200/16V
IC2
(POWER AMP RCH)
TA8215L
MUTE
INRL
NFFR
STBY
GND
NFFL
INRR
RIP
BU14V
RR+
RR-
RL+
RL-
R3 10K
R4 10K
C3 3.3/50V
C4 3.3/50V
R8 1.2K
R7 1.2K
C7 1000P
C11 33/10V
R11 470
R12 470
C12 33/10V
C8 1000P
C14 100/10V
R20 2.2
R19 2.2
R18 2.2
R17 2.2
C22 0.12
C21 0.12
C20 0.12
C19 0.12
FR+
FR-
FL+
FL-
RL+
RL-
RR+
RR-
FL
FR
GND

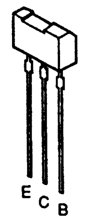
NOTE: Description of electrolytic capacitor: 100/16V = 100µ 16V

WARNING
Parts marked with the symbol ⚠ in the schematic diagram have critical characteristics.
Use ONLY replacement parts recommended by the manufacturer. It is recommended that the unit be operated from a suitable DC supply or batteries during initial check-out procedures.

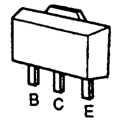
DTA114TK
DTA124EK
DTC114EK
DTC114TK
DTC314TK
2SA1036K
2SA1037R
2SC2412K



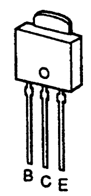
2SB1237
2SB1398
2SD1858



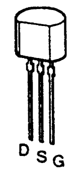
2SB1188
2SD1898

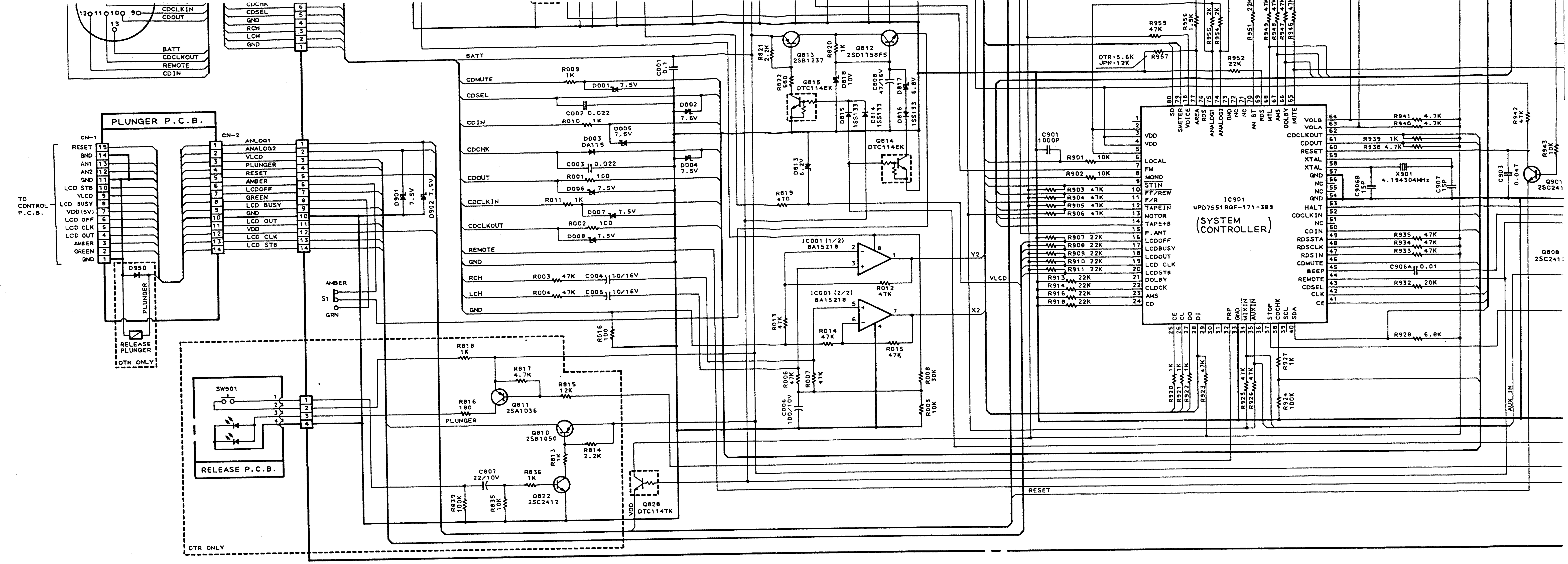


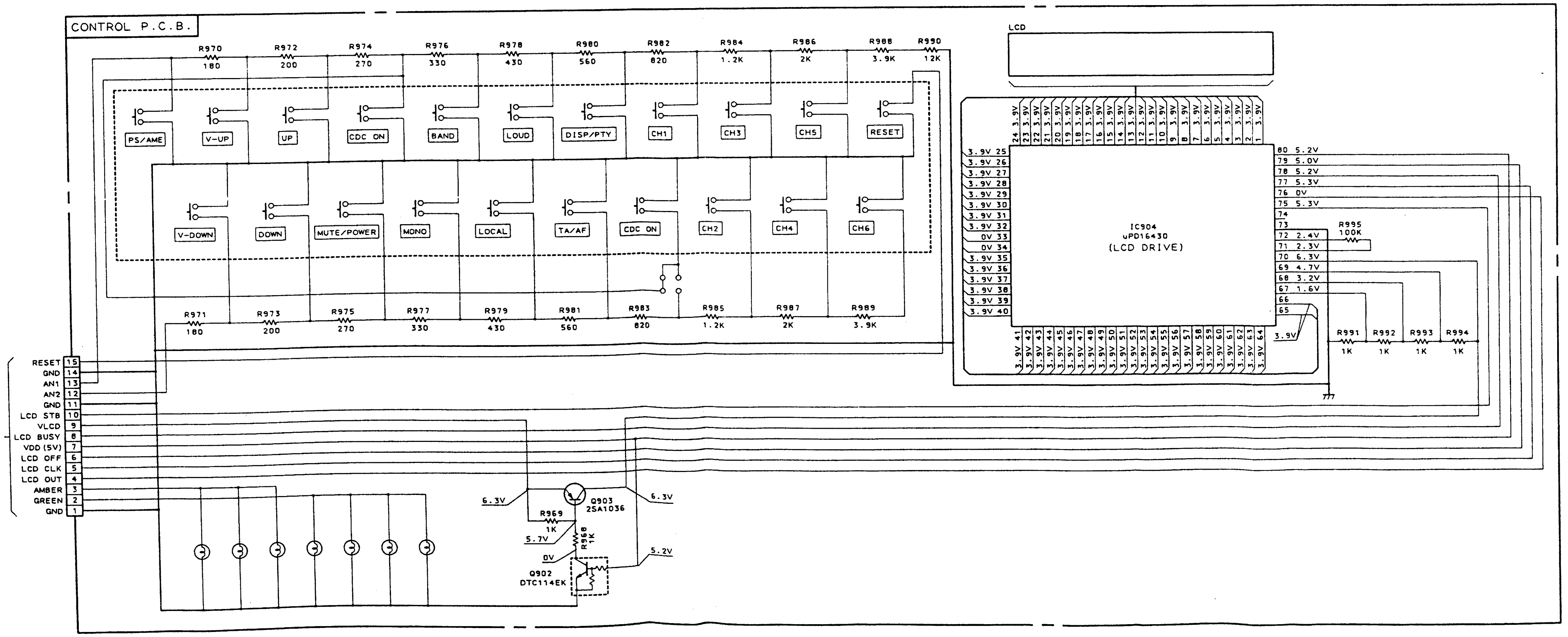
2SD1758



2SK583




PLUNGER P.C.B.
CN-1
CN-2
TO CONTROL P.C.B.
RESET
GND
AN1
AN2
LCD STB
VLCD
LCD BUSY
VDD (5V)
LCD OFF
LCD CLK
LCD OUT
AMBER
GREEN
ANALOG1
ANALOG2
PLUNGER
LCDOFF
D950
RELEASE PLUNGER
OTR ONLY
SW901
RELEASE P.C.B.
BATT
CDMUTE
CDSEL
CDIN
CDCHK
CDOUT
CDCLKIN
CDCLKOUT
REMOTE
RCH
LCH
S1
GRN
D901 7.5V
D902 7.5V
Q811 2SA1036
Q810 2SB1050
Q822 2SC2412
Q828 DTC114TK
Q813 2SB1237
Q812 2SD1758F5
Q815 DTC114EK
Q814 DTC114EK
IC001 (1/2) BA15218
IC001 (2/2) BA15218
Y2
X2
IC901
uPD75518GF-171-3B9
(SYSTEM CONTROLLER)
X901 4.194304MHz
Q901 2SC241
Q808 2SC241
AUX IN
OTR:5.6K JPN:12K

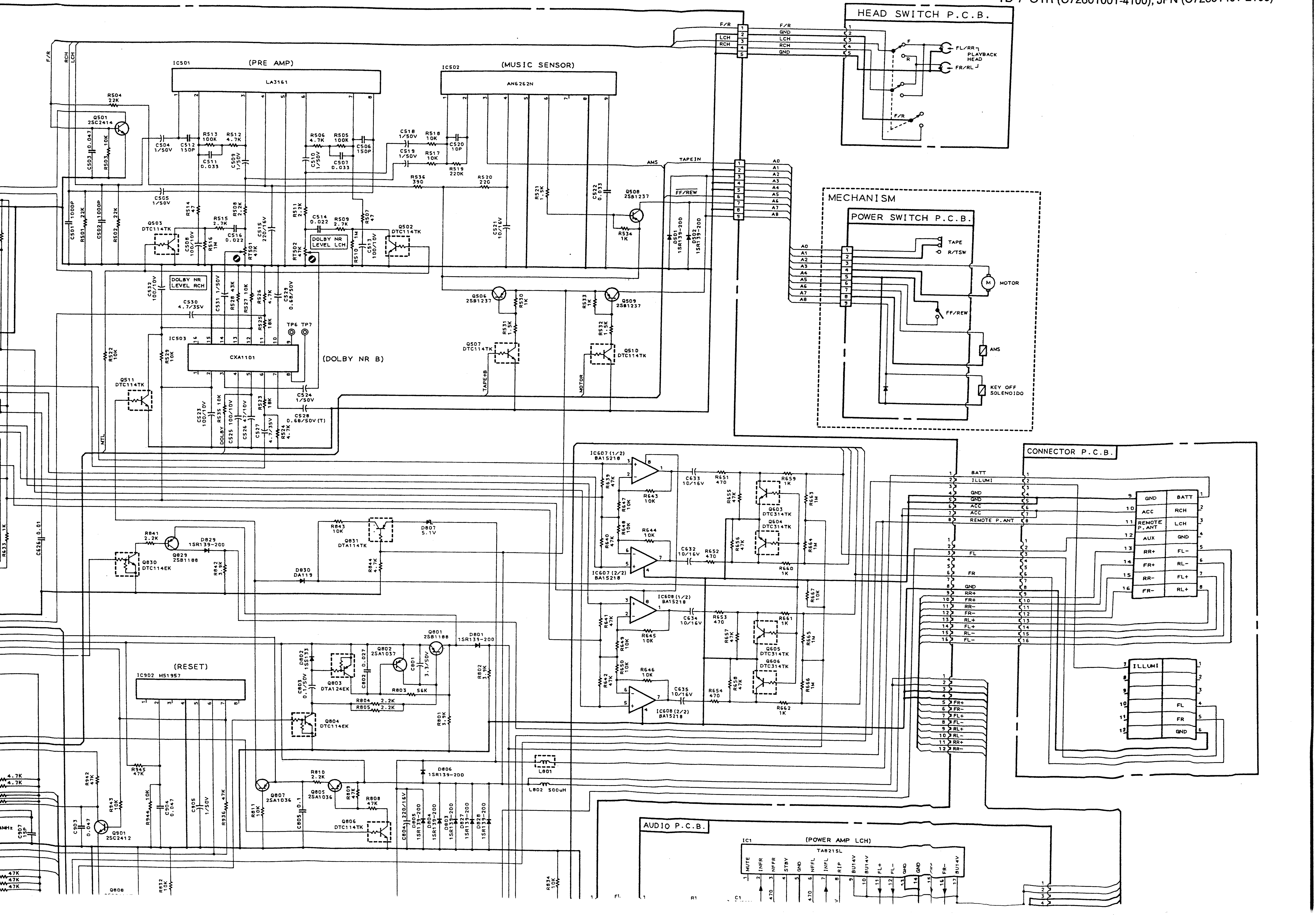

CONTROL P.C.B.
PS/AME
V-UP
UP
CDC ON
BAND
LOUD
DISP/PTY
CH1
CH3
CH5
RESET
V-DOWN
DOWN
MUTE/POWER
MONO
LOCAL
TA/AF
CH2
CH4
CH6
FROM PLUNGER P.C.B.
LCD
IC904
uPD16430
(LCD DRIVE)
Q903 2SA1036
Q902 DTC114EK
6.3V
5.7V
5.2V

NOTE: De

WARNING

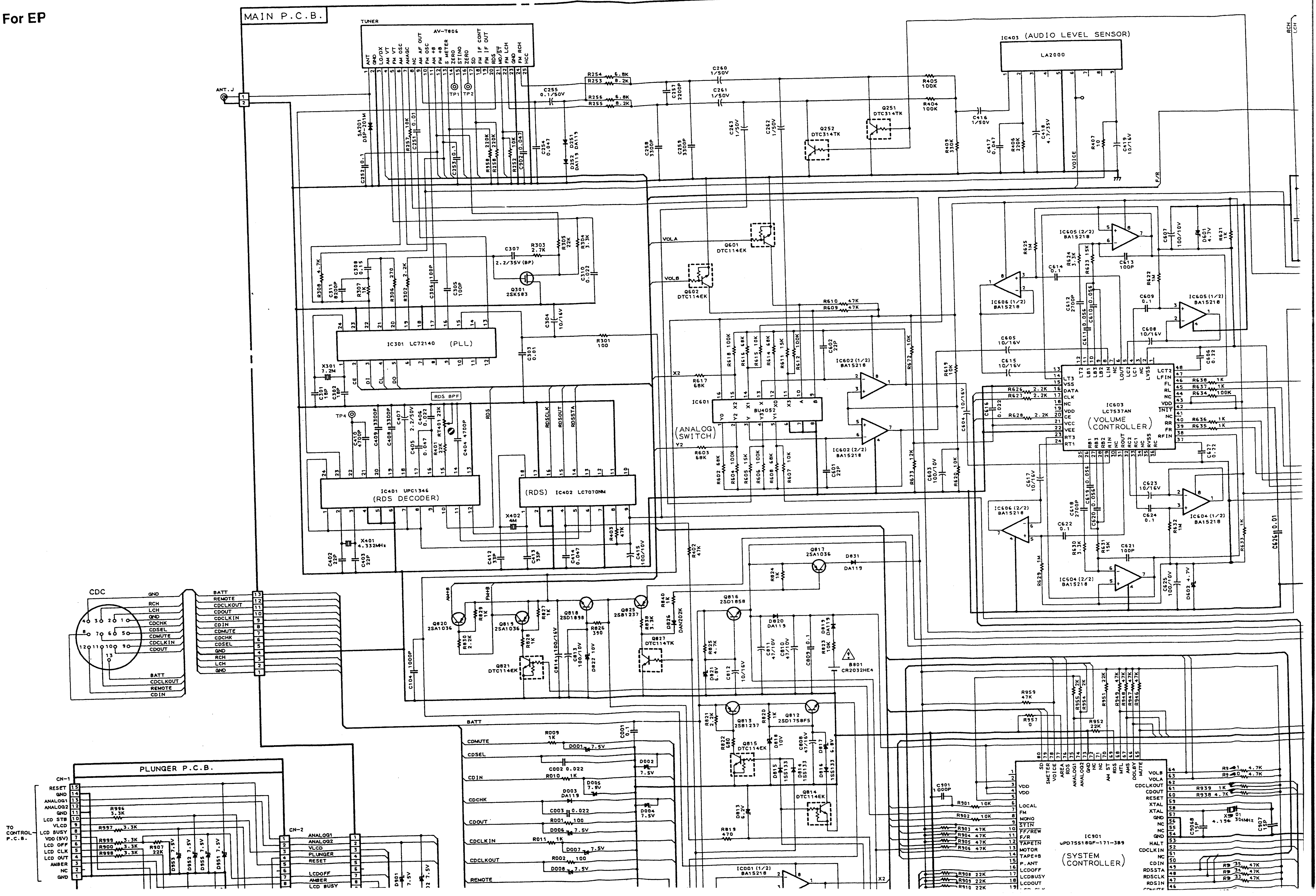
Parts marked
diagram have
Use ONLY re
facturer. It is r
suitable DC s
cedures.

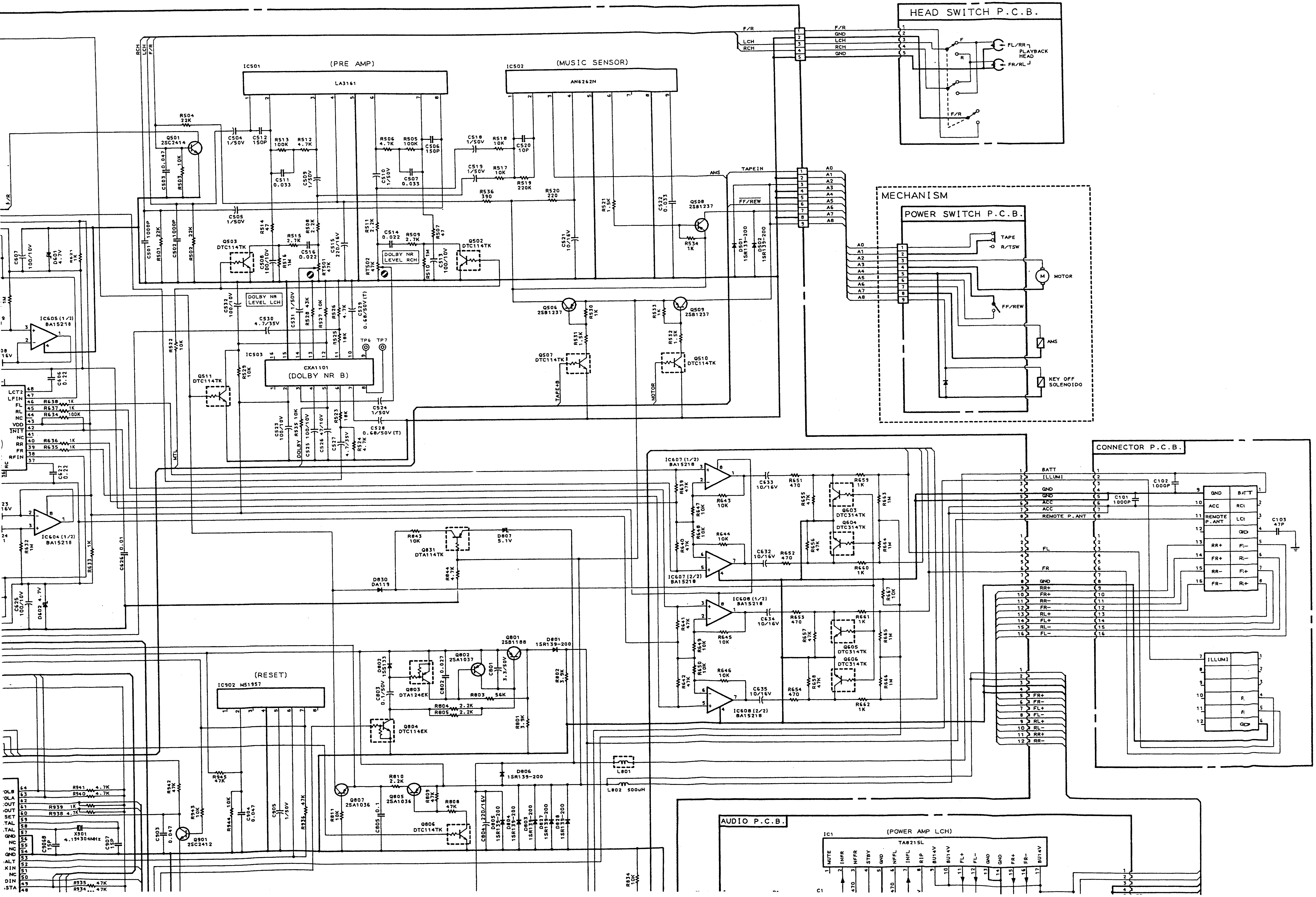
TD-7 OTR (C72601001-4100), JPN (C72601401-2100)

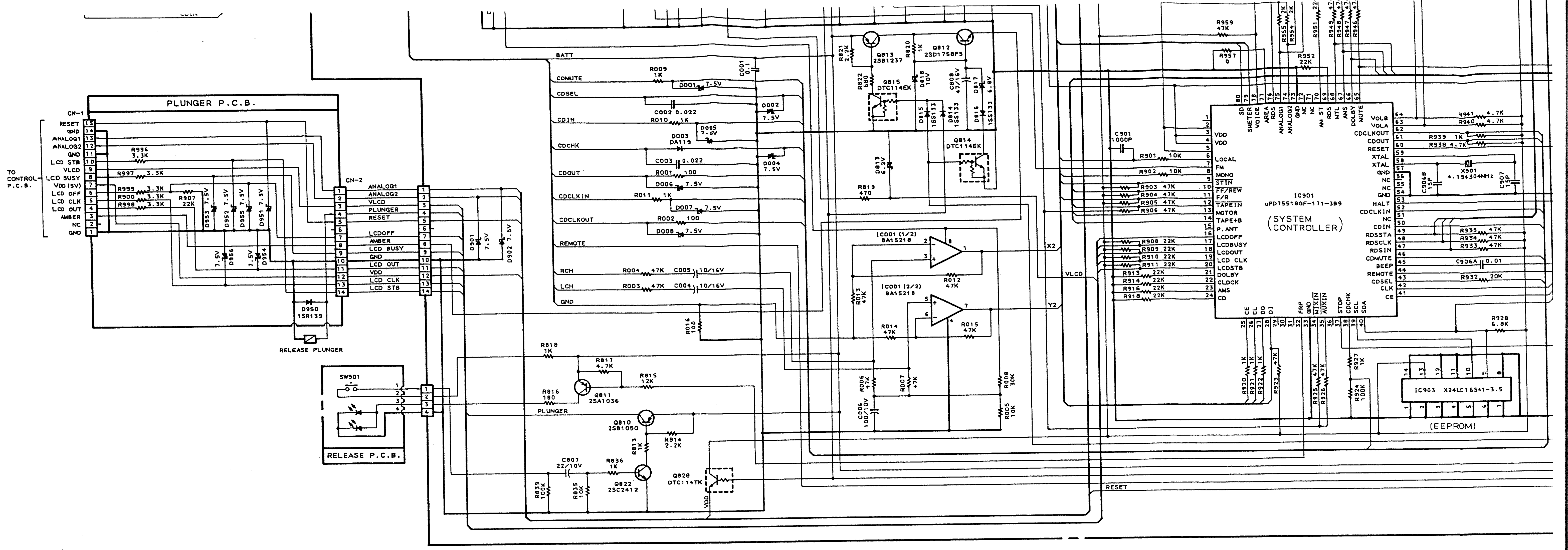


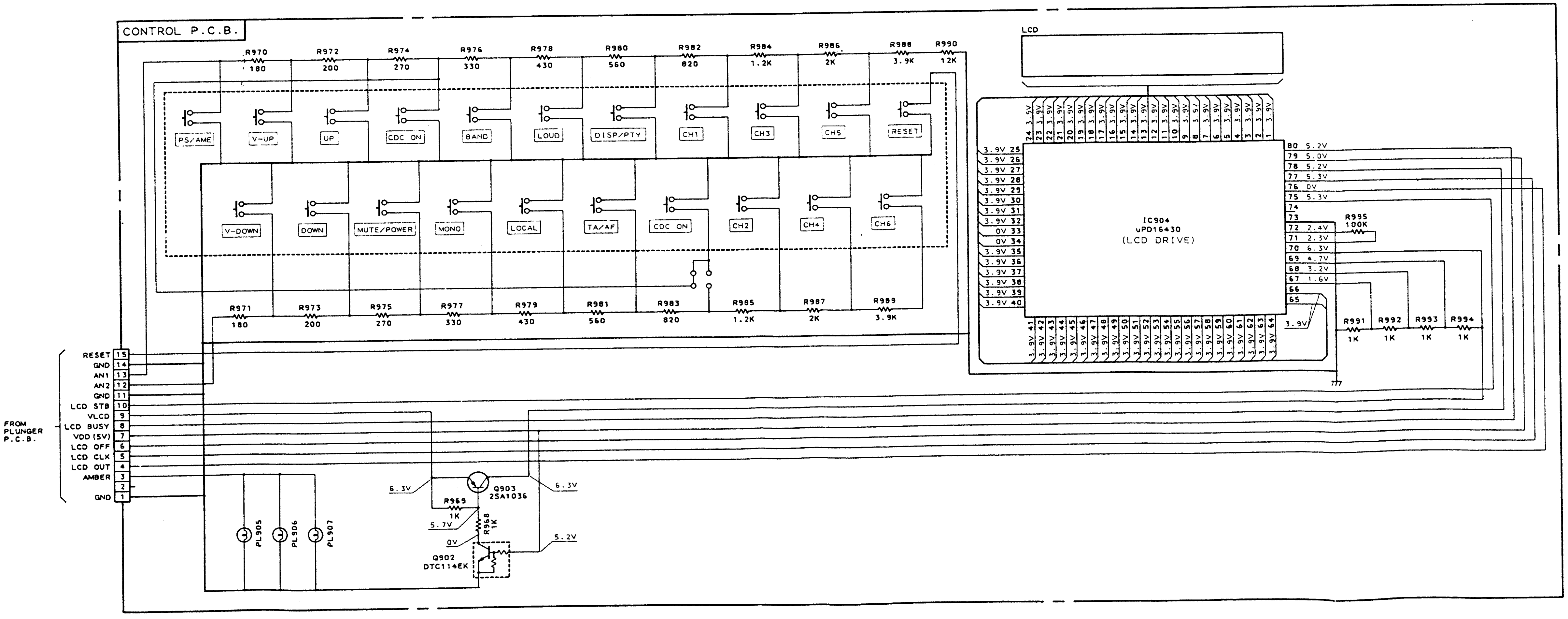
HEAD SWITCH P.C.B.
F/R
GND
LCH
RCH
GND
FL/RR
FR/RL
PLAYBACK HEAD
IC501 (PRE AMP) LA3161
IC502 (MUSIC SENSOR) AN6262N
IC503 CXA1101 (DOLBY NR B)
Q501 2SC2414
Q502 DTC114TK
Q503 DTC114TK
Q506 2SB1237
Q507 DTC114TK
Q508 2SB1237
Q509 2SB1237
Q510 DTC114TK
Q511 DTC114TK
DOLBY NR LEVEL RCH
DOLBY NR LEVEL LCH
RT501 47K
RT502 47K
TP6 TP7
AMS
TAPEIN
FF/REW
TAPE+B
MOTOR
MTL
DOLBY
A0 A1 A2 A3 A4 A5 A6 A7 A8
D501 1SR139-200
D502 1SR139-200
MECHANISM
POWER SWITCH P.C.B.
TAPE
R/TSW
MOTOR
FF/REW
AMS
KEY OFF SOLENOIDO
CONNECTOR P.C.B.
BATT
ILLUMI
GND
ACC
REMOTE P.ANT
FL
FR
RR+
FR+
RR-
FR-
RL+
FL+
RL-
FL-
RCH
LCH
AUX
IC607 (1/2) BA15218
IC607 (2/2) BA15218
IC608 (1/2) BA15218
IC608 (2/2) BA15218
Q603 DTC314TK
Q604 DTC314TK
Q605 DTC314TK
Q606 DTC314TK
Q829 2SB1188
Q830 DTC114EK
Q831 DTA114TK
D829 1SR139-200
D830 DA119
D807 5.1V
(RESET)
IC902 M51957
Q801 2SB1188
Q802 2SA1037
Q803 DTA124EK
Q804 DTC114EK
Q805 2SA1036
Q806 DTC114TK
Q807 2SA1036
Q808
Q901 2SC2412
D801 1SR139-200
D802 1SS133
D803 1SR139-200
D804 1SR139-200
D805 1SR139-200
D806 1SR139-200
D827 1SR139-200
D828 1SR139-200
L801
L802 500uH
AUDIO P.C.B.
IC1 (POWER AMP LCH) TA8215L
MUTE INFR NFFR STBY GND NFFL INFL RIP BU14V BU14V FL+ FL- GND GND FR+ FR- BU14V

• For EP


MAIN P.C.B.
TUNER
AV-T806
ANT.J
IC403 (AUDIO LEVEL SENSOR)
LA2000
IC301 LC72140 (PLL)
IC401 UPC1346 (RDS DECODER)
(RDS) IC402 LC7070NM
RDS BPF
IC601 BU4052
(ANALOG SWITCH)
IC602 (1/2) BA15218
IC602 (2/2) BA15218
IC603 LC7537AN (VOLUME CONTROLLER)
IC605 (2/2) BA15218
IC605 (1/2) BA15218
IC606 (1/2) BA15218
IC606 (2/2) BA15218
IC604 (1/2) BA15218
IC504 (2/2) BA15218
Q251 DTC314TK
Q252 DTC314TK
Q301 2SK583
Q601 DTC114EK
Q602 DTC114EK
Q817 2SA1036
Q820 2SA1036
Q819 2SA1036
Q818 2SD1898
Q825 2SB1237
Q827 DTC114TK
Q821 DTC114EK
Q816 2SD1858
Q813 2SB1237
Q812 2SD1758F5
Q815 DTC114EK
Q814 DTC114EK
B801 CR2032HE4
CDC
PLUNGER P.C.B.
CN-1
CN-2
TO CONTROL P.C.B.
IC001 (1/2) BA15218
IC901 uPD75518GF-171-389 (SYSTEM CONTROLLER)
X901 4.194304MHz
X301 7.2M
X401 4.332MHz
X402 4M
SA201 DSP-201M


HEAD SWITCH P.C.B.
F/R
GND
LCH
RCH
FL/RR
PLAYBACK HEAD
FR/RL
IC501
(PRE AMP)
LA3161
IC502
(MUSIC SENSOR)
AN6262N
Q501 2SC2414
Q503 DTC114TK
Q502 DTC114TK
Q508 2SB1237
Q506 2SB1237
Q509 2SB1237
Q507 DTC114TK
Q510 DTC114TK
Q511 DTC114TK
DOLBY NR LEVEL RCH
DOLBY NR LEVEL LCH
IC503
CXA1101
(DOLBY NR B)
TP6
TP7
AMS
TAPEIN
FF/REW
TAPE+B
MOTOR
MECHANISM
POWER SWITCH P.C.B.
TAPE
R/TSW
FF/REW
KEY OFF SOLENOIDO
IC605 (1/2) BA15218
IC604 (1/2) BA15218
IC607 (1/2) BA15218
IC607 (2/2) BA15218
IC608 (1/2) BA15218
IC608 (2/2) BA15218
Q603 DTC314TK
Q604 DTC314TK
Q605 DTC314TK
Q606 DTC314TK
Q831 DTA114TK
D807 5.1V
D830 DA119
(RESET)
IC902 M51957
Q801 2SB1188
D801 1SR139-200
Q802 2SA1037
Q803 DTA124EK
Q804 DTC114EK
Q805 2SA1036
Q806 DTC114TK
Q807 2SA1036
D806 1SR135-200
L801
L802 500uH
Q901 2SC2412
X901 4.194304MHz
CONNECTOR P.C.B.
BATT
ILLUMI
GND
ACC
REMOTE P.ANT
FL
FR
RR+
FR+
RR-
FR-
RL+
FL+
RL-
FL-
BATT
RCI
LCI
AUDIO P.C.B.
IC1
(POWER AMP LCH)
TA8215L
MUTE
INFR
NFFR
STBY
GND
NFFL
INFL
RIP
BU14V
FL+
FL-
FR+
FR-

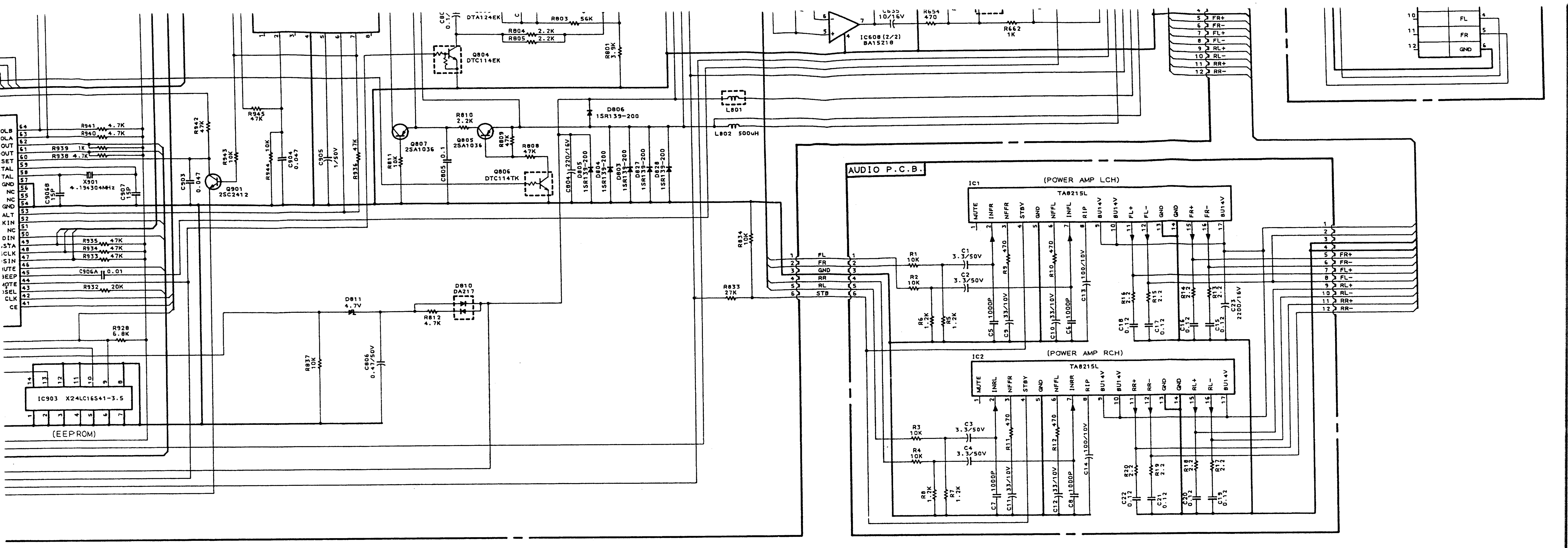

PLUNGER P.C.B.
CN-1
CN-2
TO CONTROL P.C.B.
RESET
GND
ANALOG1
ANALOG2
LCD STB
VLCD
LCD BUSY
VDD (5V)
LCD OFF
LCD CLK
LCD OUT
AMBER
NC
PLUNGER
LCDOFF
D950 1SR139
RELEASE PLUNGER
SW901
RELEASE P.C.B.
BATT
CDMUTE
CDSEL
CDIN
CDCHK
CDOUT
CDCLKIN
CDCLKOUT
REMOTE
RCH
LCH
IC001 (1/2) BA15218
IC001 (2/2) BA15218
Q813 2SB1237
Q812 2SD1758F5
Q815 DTC114EK
Q814 DTC114EK
Q811 2SA1036
Q810 2SB1050
Q822 2SC2412
Q828 DTC114TK
IC901 uPD75518GF-171-3B9
(SYSTEM CONTROLLER)
X901 4.194304MHz
IC903 X24LC16S41-3.5
(EEPROM)
VLCD
X2
Y2
RESET


CONTROL P.C.B.
PS/AME
V-UP
UP
CDC ON
BAND
LOUD
DISP/PTY
CH1
CH3
CH5
RESET
V-DOWN
DOWN
MUTE/POWER
MONO
LOCAL
TA/AF
CDC ON
CH2
CH4
CH6
LCD
IC904 uPD16430 (LCD DRIVE)
FROM PLUNGER P.C.B.
Q903 2SA1036
Q902 DTC114EK
PL905
PL906
PL907

NOTE: Description of

WARNING

Parts marked with the s
diagram have critical ch
Use ONLY replacement
facturer. It is recommen
suitable DC supply or b
cedures.

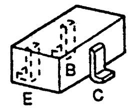

AUDIO P.C.B.
IC1 (POWER AMP LCH) TA8215L
IC2 (POWER AMP RCH) TA8215L
MUTE
INFR
NFFR
STBY
GND
NFFL
INFL
RIP
BU14V
FL+
FL-
FR+
FR-
INRL
NFFR
NFFL
INRR
RR+
RR-
RL+
RL-
IC903 X24LC16S41-3.5
(EEPROM)
IC608 (2/2) BA15218
Q804 DTC114EK
Q807 2SA1036
Q805 2SA1036
Q806 DTC114TK
Q901 2SC2412
X901 4.194304MHz
D806 1SR139-200
D805 1SR139-200
D804 1SR139-200
D803 1SR139-200
D827 1SR139-200
D828 1SR139-200
D810 DA217
D811 4.7V
L801
L802 500uH
R810 2.2K
R809 47K
R808 47K
R811 10K
R803 56K
R804 2.2K
R805 2.2K
R801 3.9K
R945 47K
R942 47K
R943 10K
R944 10K
R936 47K
R941 4.7K
R940 4.7K
R939 1K
R938 4.7K
R935 47K
R934 47K
R933 47K
R932 20K
R928 6.8K
R837 10K
R812 4.7K
R834 10K
R833 27K
R662 1K
C906A 0.01
C906B 15P
C907 15P
C903 0.047
C904 0.047
C905 1/50V
C805 0.1
C804 220/16V
C806 0.47/50V
R1 10K
R2 10K
R3 10K
R4 10K
C1 3.3/50V
C2 3.3/50V
C3 3.3/50V
C4 3.3/50V
R5 1.2K
R6 1.2K
R7 1.2K
R8 1.2K
R9 470
R10 470
R11 470
R12 470
C5 1000P
C6 1000P
C7 1000P
C8 1000P
C9 33/10V
C10 33/10V
C11 33/10V
C12 33/10V
C13 100/10V
C14 100/10V
C23 2200/16V
R13 2.2
R14 2.2
R15 2.2
R16 2.2
R17 2.2
R18 2.2
R19 2.2
R20 2.2
C15 0.12
C16 0.12
C17 0.12
C18 0.12
C19 0.12
C20 0.12
C21 0.12
C22 0.12
FL
FR
GND
RR
RL
STB
FR+
FR-
FL+
FL-
RL+
RL-
RR+
RR-

NOTE: Description of electrolytic capacitor: 100/16V = 100µ 16V

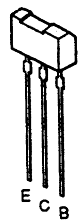
WARNING

Parts marked with the symbol ⚠ in the schematic diagram have critical characteristics.
Use ONLY replacement parts recommended by the manufacturer. It is recommended that the unit be operated from a suitable DC supply or batteries during initial check-out procedures.

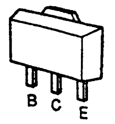
DTA114TK
DTA124EK
DTC114EK
DTC114TK
DTC314TK
2SA1036K
2SA1037R
2SC2412K



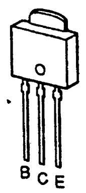
2SB1237
2SB1398
2SD1858



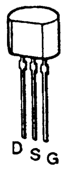
2SB1188
2SD1898



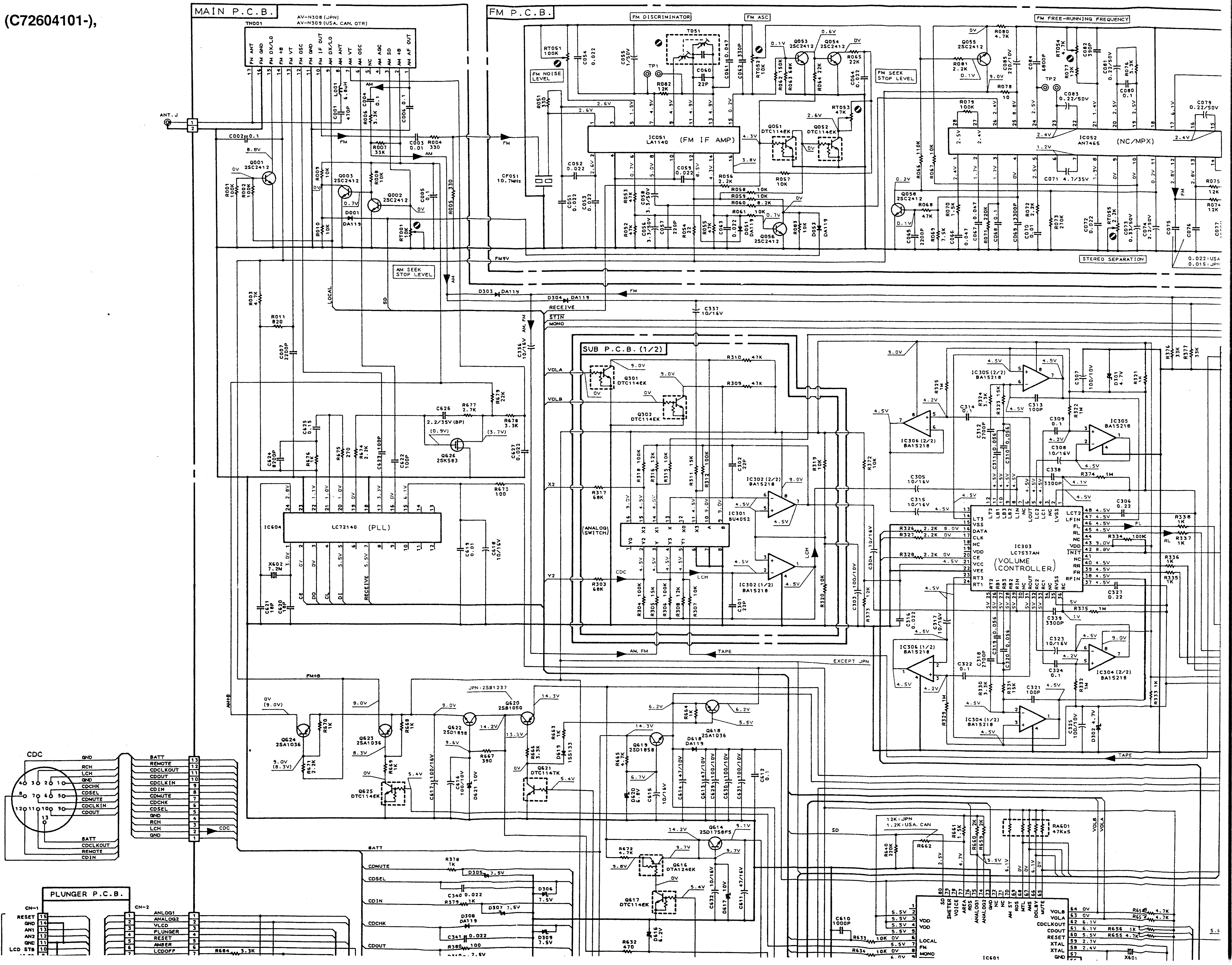
2SD1758

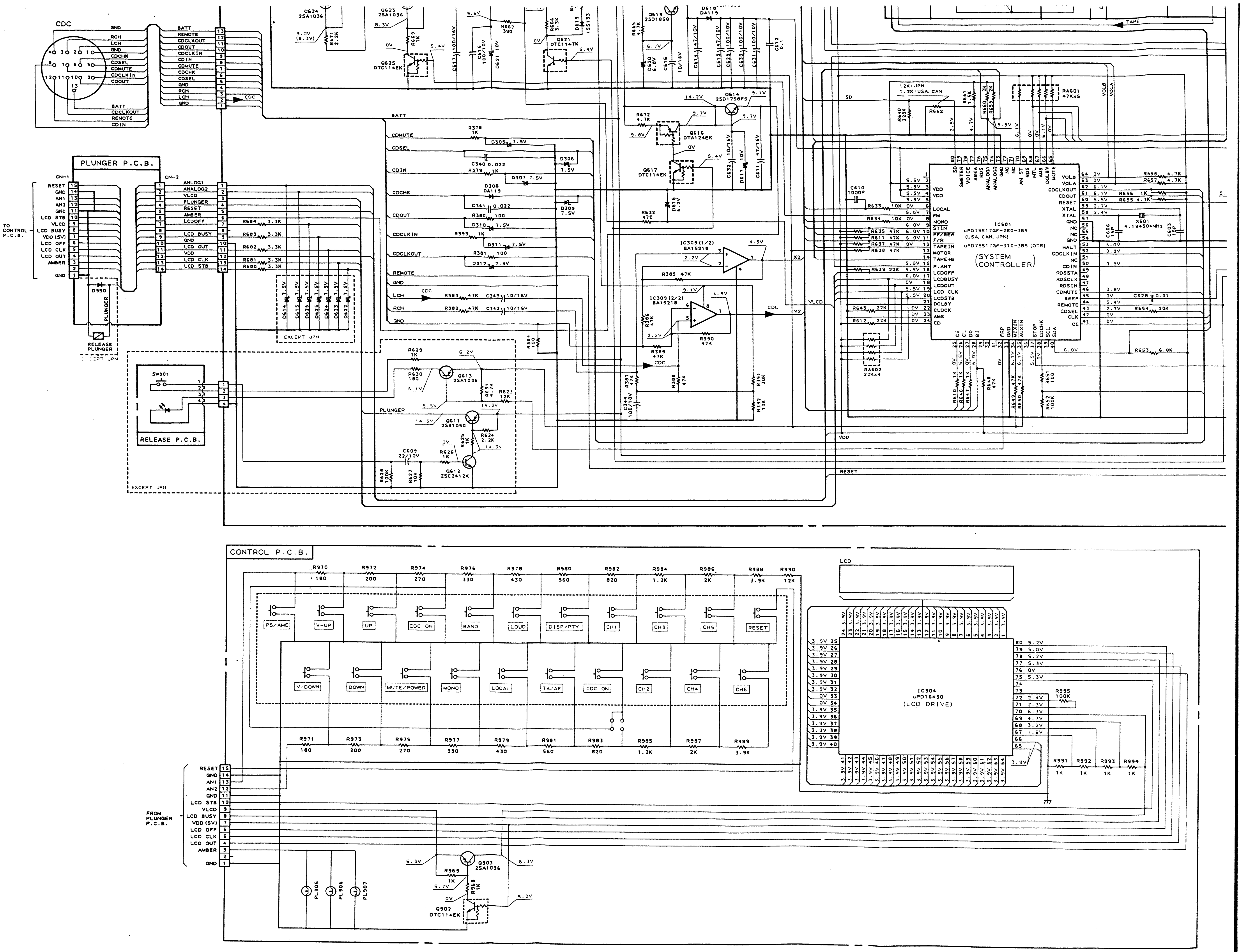


2SK583

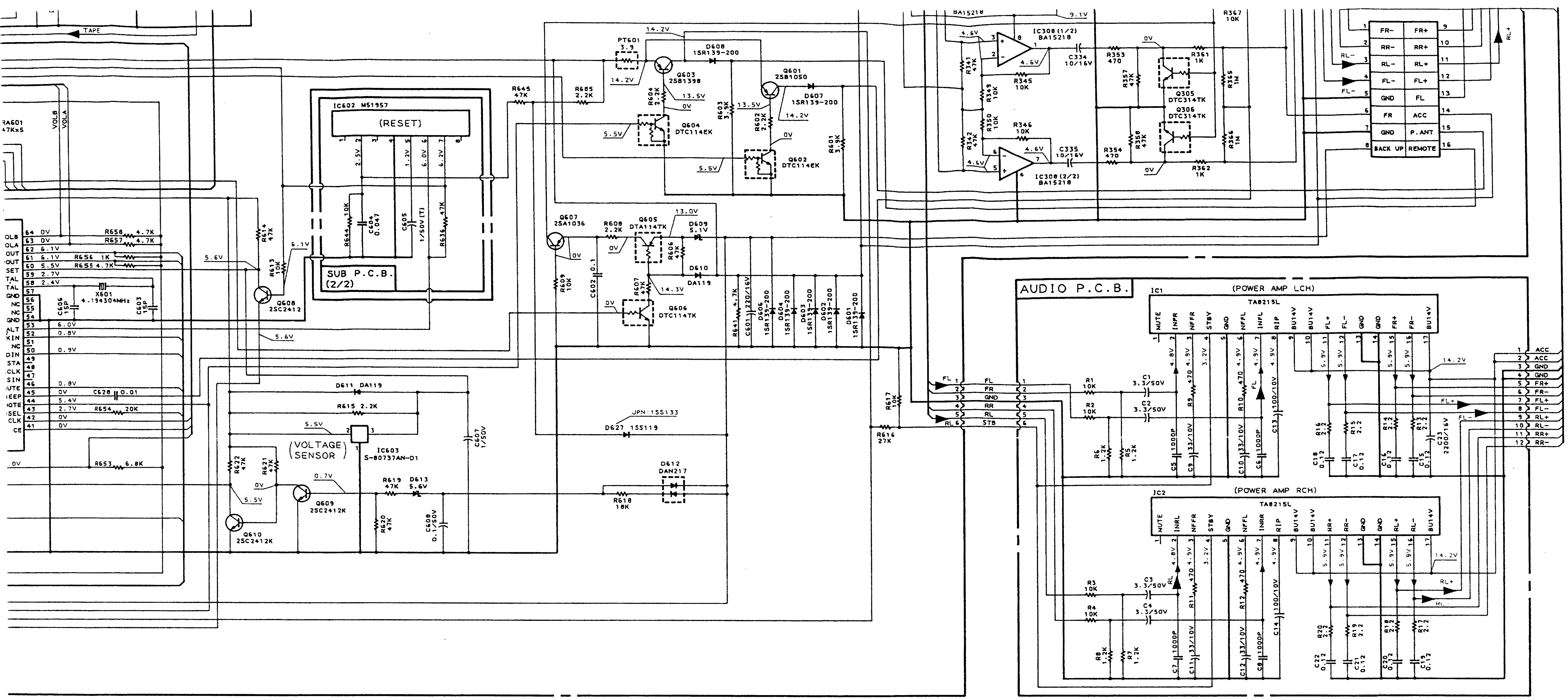


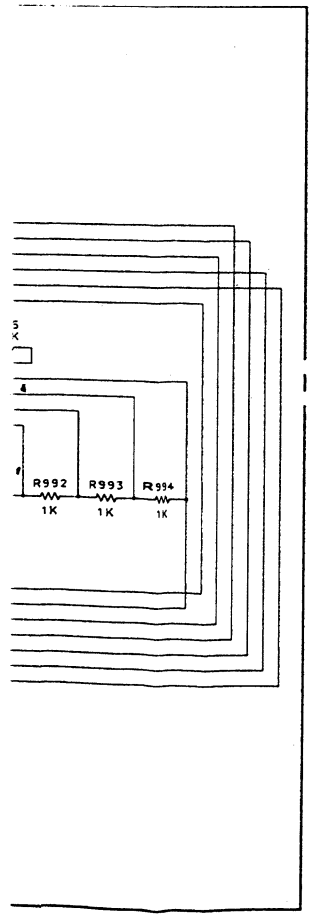
- **For USA, CAN, OTR (C72604101-), JPN (C72602101-)**


MAIN P.C.B.
TN001
AV-N308 (JPN)
AV-N309 (USA, CAN, OTR)
ANT.J
FM P.C.B.
FM DISCRIMINATOR
FM ASC
FM FREE-RUNNING FREQUENCY
FM NOISE LEVEL
FM SEEK STOP LEVEL
AM SEEK STOP LEVEL
STEREO SEPARATION
IC051 LA1140 (FM IF AMP)
IC052 AN7465 (NC/MPX)
CF051 10.7MHz
T051
TP1
TP2
FM9V
RECEIVE
STIN
MONO
SUB P.C.B. (1/2)
VOLA
VOLB
Q301 DTC114EK
Q302 DTC114EK
IC301 BU4052 (ANALOG SWITCH)
IC302 (1/2) BA15218
IC302 (2/2) BA15218
IC303 LC7537AN (VOLUME CONTROLLER)
IC304 (1/2) BA15218
IC304 (2/2) BA15218
IC305 BA15218
IC305 (2/2) BA15218
IC306 (1/2) BA15218
IC306 (2/2) BA15218
IC604 LC72140 (PLL)
X602 7.2M
Q626 2SK583
Q001 2SC2412
Q002 2SC2412
Q003 2SC2412
D001 DA119
D303 DA119
D304 DA119
AM, FM
TAPE
EXCEPT JPN
FM+B
AM+B
Q620 2SB1050
JPN: 2SB1237
Q622 2SD1858
Q623 2SA1036
Q624 2SA1036
Q625 DTC114EK
Q621 DTC114TK
Q618 2SA1036
Q619 2SD1858
Q614 2SD1758FS
Q616 DTA124EK
Q617 DTC114EK
D618 DA119
D619 1SS133
D620 6.8V
D616 6.2V
D617 10V
D621 10V
CDC
GND
RCH
LCH
CDCHK
CDSEL
CDMUTE
CDCLKIN
CDOUT
BATT
CDCLKOUT
REMOTE
CDIN
PLUNGER P.C.B.
CN-1
CN-2
RESET
AN1
AN2
LCD STB
ANLOG1
ANALOG2
VLCD
PLUNGER
AMBER
LCDOFF
D305 7.5V
D306 7.5V
D307 7.5V
D308 DA119
D309 7.5V
RA601 47Kx5
12K: JPN
1.2K: USA, CAN
IC601
X601
SD
SMETER
VOICE
AREA
ANALOG1
ANALOG2
AM ST
DOLBY
MUTE
VOLB
VOLA
CDCLKOUT
CDOUT
RESET
XTAL
VDD
LOCAL
FM
MONO
0.022: USA
0.015: JPN

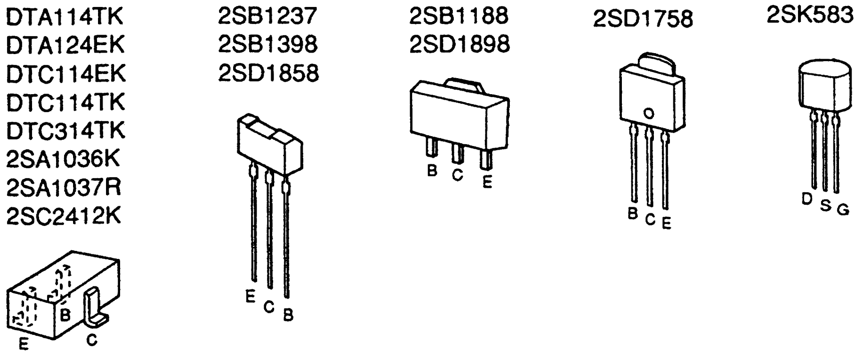

CDC
PLUNGER P.C.B.
CN-1
CN-2
TO CONTROL P.C.B.
RESET
GND
AN1
AN2
LCD STB
VLCD
LCD BUSY
VDD (5V)
LCD OFF
LCD CLK
LCD OUT
AMBER
ANALOG1
ANALOG2
PLUNGER
LCDOFF
D950
RELEASE PLUNGER
EXCEPT JPN
SW901
RELEASE P.C.B.
BATT
REMOTE
CDCLKOUT
CDOUT
CDCLKIN
CDIN
CDMUTE
CDCHK
CDSEL
RCH
LCH
CDC
Q613 2SA1036
Q611 2SB1050
Q612 2SC2412K
Q625 DTC114EK
Q621 DTC114TK
Q619 2SD1858
Q614 2SD1758F5
Q616 DTA124EK
Q617 DTC114EK
Q623 2SA1036
Q624 2SA1036
IC309(1/2) BA15218
IC309(2/2) BA15218
X2
Y2
VLCD
VDD
RESET
TAPE
SD
RA601 47K×5
RA602 22K×4
X601 4.194304MHz
IC601
uPD75517GF-280-3B9 (USA, CAN, JPN)
uPD75517GF-310-3B9 (OTR)
(SYSTEM CONTROLLER)
VOLB
VOLA
CONTROL P.C.B.
PS/AME
V-UP
UP
CDC ON
BAND
LOUD
DISP/PTY
CH1
CH3
CH5
RESET
V-DOWN
DOWN
MUTE/POWER
MONO
LOCAL
TA/AF
CDC ON
CH2
CH4
CH6
LCD
IC904
uPD16430
(LCD DRIVE)
FROM PLUNGER P.C.B.
Q903 2SA1036
Q902 DTC114EK
PL905
PL906
PL907

TD-7 USA, CAN, OTR (C72604101-), JPN (C72602101-)


TAPE
RA601
47Kx5
VOLB
VOLA
PT601
3.9
14.2V
D608
1SR139-200
Q603
2SB1398
Q601
2SB1050
D607
1SR139-200
Q604
DTC114EK
Q602
DTC114EK
R645
47K
R685
2.2K
R604
2.2K
R603
3.9K
R602
2.2K
R601
3.9K
13.5V
0V
5.5V
IC602 M51957
(RESET)
SUB P.C.B.
(2/2)
R644 10K
C604 0.047
C605 1/50V (T)
R636 47K
R614 47K
R613 10K
Q608
2SC2412
6.1V
5.6V
5.5V
Q607
2SA1036
R608
2.2K
Q605
DTA114TK
13.0V
D609
5.1V
R606 47K
D610
DA119
R609 10K
C602 0.1
R607 47K
14.3V
Q606
DTC114TK
R641 4.7K
C601 220/16V
D606 1SR139-200
D604 1SR139-200
D603 1SR139-200
D602 1SR139-200
D601 1SR139-200
R658 4.7K
R657 4.7K
R656 1K
R655 4.7K
X601
4.194304MHz
C606 15P
C603 15P
C628 0.01
R654 20K
R653 6.8K
D611 DA119
R615 2.2K
IC603
S-80737AN-D1
(VOLTAGE SENSOR)
C607 1/50V
JPN: 1SS133
D627 1SS119
R617 10K
R616 27K
R622 47K
R621 47K
Q609
2SC2412K
Q610
2SC2412K
R619 47K
D613 5.6V
R620 47K
C608 0.1/50V
D612
DAN217
R618
18K
BA15218
9.1V
R367 10K
IC308 (1/2)
BA15218
IC308 (2/2)
BA15218
4.6V
C334 10/16V
C335 10/16V
R341 47K
R342 47K
R349 10K
R350 10K
R345 10K
R346 10K
R353 470
R354 470
R357 47K
R358 47K
R361 1K
R362 1K
R365 1M
R366 1M
Q305
DTC314TK
Q306
DTC314TK
FR- FR+
RR- RR+
RL- RL+
FL- FL+
GND FL
FR ACC
GND P.ANT
BACK UP REMOTE
AUDIO P.C.B.
IC1
(POWER AMP LCH)
TA8215L
IC2
(POWER AMP RCH)
TA8215L
MUTE INFR NFFR STBY GND NFFL INFL RIP BU14V FL+ FL- GND FR+ FR- BU14V
MUTE INRL NFRR STBY GND NFFL INRR RIP BU14V RR+ RR- GND RL+ RL- BU14V
FL FR GND RR RL STB
R1 10K
R2 10K
R3 10K
R4 10K
C1 3.3/50V
C2 3.3/50V
C3 3.3/50V
C4 3.3/50V
R5 1.2K
R6 1.2K
R7 1.2K
R8 1.2K
C5 1000P
C9 33/10V
C10 33/10V
C6 1000P
C13 100/10V
C14 100/10V
R16 2.2
R15 2.2
R14 2.2
R13 2.2
C18 0.12
C17 0.12
C16 0.12
C15 0.12
C23 2200/16V
R20 2.2
R19 2.2
R18 2.2
R17 2.2
C22 0.12
C21 0.12
C20 0.12
C19 0.12
14.2V
ACC ACC GND GND FR+ FR- FL+ FL- RL+ RL- RR+ RR-


R992
1K
R993
1K
R994
1K

NOTE: Description of electrolytic capacitor: 100/16V = 100μ 16V


DTA114TK
DTA124EK
DTC114EK
DTC114TK
DTC314TK
2SA1036K
2SA1037R
2SC2412K
B
E
C
2SB1237
2SB1398
2SD1858
E C B
2SB1188
2SD1898
B C E
2SD1758
B C E
2SK583
D S G